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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	4	OCT 28	KOREAPAT now available on STN
NEWS	5	NOV 30	PHAR reloaded with additional data
NEWS	6	DEC 01	LISA now available on STN
NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPFULL during January and February 2005
NEWS	17	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	18	FEB 10	STN Patent Forums to be held in March 2005
NEWS	19	FEB 16	STN User Update to be held in conjunction with the 229th ACS National Meeting on March 13, 2005
NEWS	20	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	21	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	22	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	23	MAR 02	GBFULL: New full-text patent database on STN
NEWS	24	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	25	MAR 03	MEDLINE file segment of TOXCENTER reloaded

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 08:30:18 ON 16 MAR 2005

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 08:30:41 ON 16 MAR 2005
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STRUCTURE FILE UPDATES: 15 MAR 2005 HIGHEST RN 845699-17-4
DICTIONARY FILE UPDATES: 15 MAR 2005 HIGHEST RN 845699-17-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> e 2-Pentenedioic acid, 4-[[(3,4-dichlorophenyl)amino]methylene]-, 5-methyl ester/cn

E1	1	2-PENTENEDIOIC ACID, 4,4-DIMETHYL-2-(TRIMETHYLSILYL)-, 1-ETHYL 5-METHYL ESTER, (E)-/CN
E2	1	2-PENTENEDIOIC ACID, 4,4-DIPHENYL-, DIMETHYL ESTER/CN
E3	0 -->	2-PENTENEDIOIC ACID, 4-(3,4-DICHLOROPHENYL)AMINOMETHYLENE-, 5-METHYL ESTER/CN
E4	1	2-PENTENEDIOIC ACID, 4-((((1S)-1-(METHOXYCARBONYL)-2-METHYLPROPYL)AMINO)METHYLENE)-, DIETHYL ESTER, (2E,4Z)-/CN
E5	1	2-PENTENEDIOIC ACID, 4-((((1S)-2-METHOXY-1-METHYL-2-OXOETHYL)AMINO)METHYLENE)-, DIETHYL ESTER, (2E,4Z)-/CN
E6	1	2-PENTENEDIOIC ACID, 4-((((1S)-2-METHOXY-2-OXO-1-(PHENYLMETHYL)ETHYL)AMINO)METHYLENE)-, DIETHYL ESTER, (2E,4Z)-/CN
E7	1	2-PENTENEDIOIC ACID, 4-(((1,1-DIMETHYL-2-(((4-METHYLPHENYL)SULFONYL)AMINO)ETHYL)METHYLAMINO)METHYLENE)-, DIETHYL ESTER, (E,E)-/CN
E8	1	2-PENTENEDIOIC ACID, 4-(((1,1-DIMETHYLETHOXY)CARBONYL)AMINO)-, 1-METHYL ESTER/CN
E9	1	2-PENTENEDIOIC ACID, 4-(((1,1-DIMETHYLETHOXY)CARBONYL)AMINO)-, 5-METHYL ESTER, (E)-/CN
E10	1	2-PENTENEDIOIC ACID, 4-(((1,1-DIMETHYLETHOXY)CARBONYL)AMINO)-, 5-METHYL ESTER, (E)-(±)-/CN
E11	1	2-PENTENEDIOIC ACID, 4-(((1,1-DIMETHYLETHYL)AMINO)METHYLENE)-, DIETHYL ESTER/CN
E12	1	2-PENTENEDIOIC ACID, 4-(((1,1-DIMETHYLETHYL)DIMETHYLSILYL)OXY)-4-ETHYL-2-METHYL-, DIETHYL ESTER, (E)-/CN

```
=> e 2-Pentenedioic acid, 4-(((3,4-dichlorophenyl)amino)methylene)-, 5-methyl
ester/cn
E1            1     2-PENTENEDIOIC ACID, 4-(((2-METHOXY-2-OXOETHYL)AMINO)METHYLE
                    NE)-, DIETHYL ESTER, (2E,4Z)-/CN
E2            1     2-PENTENEDIOIC ACID, 4-(((2-METHOXYPHENYL)AMINO)METHYLENE)-,
                     DIETHYL ESTER, (2E,4Z)-/CN
E3            1 --> 2-PENTENEDIOIC ACID, 4-(((3,4-DICHLOROPHENYL)AMINO)METHYLENE
                    )-, 5-METHYL ESTER/CN
E4            1     2-PENTENEDIOIC ACID, 4-(((3,4-DICHLOROPHENYL)AMINO)METHYLENE
                    )-, 5-METHYL ESTER, (?,Z)-/CN
E5            1     2-PENTENEDIOIC ACID, 4-(((3,4-DIMETHOXYPHENYL)AMINO)METHYLEN
                    E)-, 5-METHYL ESTER, (2E,4E)-/CN
E6            1     2-PENTENEDIOIC ACID, 4-(((3,4-DIMETHOXYPHENYL)AMINO)METHYLEN
                    E)-, 5-METHYL ESTER, (?,Z)-/CN
E7            1     2-PENTENEDIOIC ACID, 4-(((3,5-DICHLOROPHENYL)AMINO)METHYLENE
                    )-, 5-METHYL ESTER, (2E,4E)-/CN
E8            1     2-PENTENEDIOIC ACID, 4-(((3,5-DICHLOROPHENYL)AMINO)METHYLENE
                    )-, 5-METHYL ESTER, (?,Z)-/CN
E9            1     2-PENTENEDIOIC ACID, 4-(((3-(ACETYLAMINO)PROPYL)METHYLAMINO)
                    METHYLENE)-, DIETHYL ESTER, (E,E)-/CN
E10           1     2-PENTENEDIOIC ACID, 4-(((3-(ACETYLAMINO)PROPYL)METHYLAMINO)
                    METHYLENE)-, DIETHYL ESTER, (Z,E)-/CN
E11           1     2-PENTENEDIOIC ACID, 4-(((3-(TRIFLUOROMETHYL)PHENYL)AMINO)ME
                    THYLENE)-, 5-METHYL ESTER/CN
E12           1     2-PENTENEDIOIC ACID, 4-(((3-(TRIFLUOROMETHYL)PHENYL)AMINO)ME
                    THYLENE)-, 5-METHYL ESTER, (?,Z)-/CN

=> e3
L1            1 "2-PENTENEDIOIC ACID, 4-(((3,4-DICHLOROPHENYL)AMINO)METHYLENE)-,
                 5-METHYL ESTER"/CN

=> d l1

L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   117366-32-2  REGISTRY
CN   2-Pentenedioic acid, 4-[[(3,4-dichlorophenyl)amino]methylene]-,
     5-methyl ester (9CI)  (CA INDEX NAME)
FS   3D CONCORD
MF   C13 H11 Cl2 N O4
SR   CA
LC   STN Files:   CA, CAPLUS, CASREACT, TOXCENTER
DT.CA  CAplus document type:  Journal
RL.NP  Roles from non-patents:  PROC (Process)
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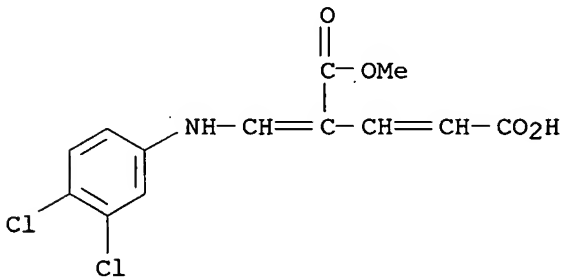


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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

              1 REFERENCES IN FILE CA (1907 TO DATE)
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 7.73 | 7.94

FILE 'CAPLUS' ENTERED AT 08:32:44 ON 16 MAR 2005
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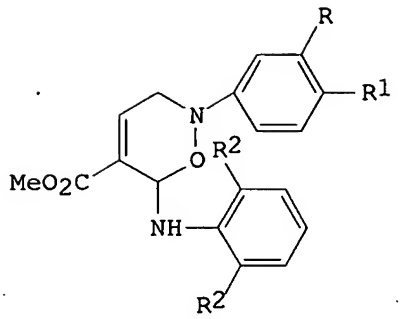
FILE COVERS 1907 - 16 Mar 2005 VOL 142 ISS 12
FILE LAST UPDATED: 15 Mar 2005 (20050315/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l1
L2 1 L1

=> d l2 ti fbib abs

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
TI Synthesis and pharmacological properties of new 6-amino-3,6-dihydro-2H-1,2-oxazines
AN 1988:610977 CAPLUS
DN 109:210977
TI Synthesis and pharmacological properties of new 6-amino-3,6-dihydro-2H-1,2-oxazines
AU Kvita, Vratislav; Sauter, Hanspeter; Schieweck, Klaus; Stanek, Jaroslav
CS Zent. Forschungslab., Ciba-Geigy A.-G., Basel, CH-4002, Switz.
SO Archiv der Pharmazie (Weinheim, Germany) (1988), 321(5), 263-4
CODEN: ARPMAS; ISSN: 0365-6233
DT Journal
LA German
OS CASREACT 109:210977
GI



I

AB Oxazines I (R = CF3, R1 = H, R = R1 = Cl, R = H, R1 = Me, Cl; R2 = R3 = H, Cl, R2 = NO2, R3 = H) were obtained in 40-69% yield by decarboxylating 3,4-RR1C6H3NHCH:C(CO2Me)CH:CHCO2H followed by in-situ reaction with R2R3C6H3NO. I are neoplasm inhibitors. Thus, I (R = 4-Me, R1 = H) had a therapeutic ratio of 74% against Ehrlich ascites at 125 mg/kg i.p. in mice.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.80	13.74

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:36:40 ON 16 MAR 2005

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LOGINID:SSSPTA1623PAZ

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 08:49:27 ON 16 MAR 2005
FILE 'CAPLUS' ENTERED AT 08:49:27 ON 16 MAR 2005
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.80	13.74

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.25	14.19

```
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                   -0.73      -0.73

FILE 'REGISTRY' ENTERED AT 08:49:56 ON 16 MAR 2005
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STRUCTURE FILE UPDATES:   15 MAR 2005  HIGHEST RN 845699-17-4
DICTIONARY FILE UPDATES:  15 MAR 2005  HIGHEST RN 845699-17-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> e  2-Tridecenoic acid, 13-(1,3-benzodioxol-5-yl)-, (E)-/cn
E1            1      2-TRIDECENOIC ACID, 13-((TETRAHYDRO-2H-PYRAN-2-YL)OXY)-, ETH
                     YL ESTER, (2E)-/CN
E2            1      2-TRIDECENOIC ACID, 13-((TETRAHYDRO-2H-PYRAN-2-YL)OXY)-, ETH
                     YL ESTER, (E)-/CN
E3            1 --> 2-TRIDECENOIC ACID, 13-(1,3-BENZODIOXOL-5-YL)-, (E)-/CN
E4            1      2-TRIDECENOIC ACID, 13-(2,2-DIMETHYL-1-OXOPROPOXY)-, ETHYL E
                     STER, (2E)-/CN
E5            1      2-TRIDECENOIC ACID, 13-(2,2-DIMETHYL-1-OXOPROPOXY)-, ETHYL E
                     STER, (E)-/CN
E6            1      2-TRIDECENOIC ACID, 13-(2-(3-CYANO-3-PHENYLOXIRANYL)PHENOXY)
                     -, METHYL ESTER/CN
E7            1      2-TRIDECENOIC ACID, 13-(2-(3-CYANO-3-PHENYLOXIRANYL)PHENOXY)
                     -, METHYL ESTER, (2A(E),3A)-/CN
E8            1      2-TRIDECENOIC ACID, 13-(2-(3-CYANO-3-PHENYLOXIRANYL)PHENOXY)
                     -, METHYL ESTER, (2A(E),3B)-/CN
E9            1      2-TRIDECENOIC ACID, 13-(2-(3-CYANO-3-PHENYLOXIRANYL)PHENOXY)
                     -, METHYL ESTER, (2A(Z),3A)-/CN
E10           1      2-TRIDECENOIC ACID, 13-(2-(3-CYANO-3-PHENYLOXIRANYL)PHENOXY)
                     -, METHYL ESTER, (2A(Z),3B)-/CN
E11           1      2-TRIDECENOIC ACID, 13-(2-FORMYLPHENOXY)-, METHYL ESTER, (E)
                     -/CN
E12           1      2-TRIDECENOIC ACID, 13-(2-FORMYLPHENOXY)-, METHYL ESTER, (Z)
                     -/CN

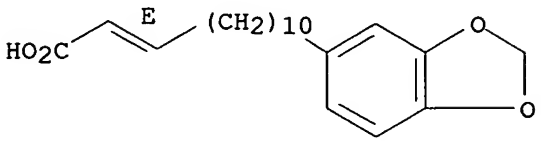
=> e3
L3            1 "2-TRIDECENOIC ACID, 13-(1,3-BENZODIOXOL-5-YL)-, (E)-"/CN

=> d l3

L3   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   190592-64-4  REGISTRY
CN   2-Tridecenoic acid, 13-(1,3-benzodioxol-5-yl)-, (E)- (9CI)  (CA
     INDEX NAME)
```

FS STEREOSEARCH
MF C20 H28 O4
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.87	21.06

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.73

FILE 'CAPLUS' ENTERED AT 08:50:31 ON 16 MAR 2005
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FILE COVERS 1907 - 16 Mar 2005 VOL 142 ISS 12
FILE LAST UPDATED: 15 Mar 2005 (20050315/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l3
L4 1 L3

=> d l4 ti fbib abs

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

TI Studies on crude drugs effective on visceral larva migrans. XVIII. Synthesis and nematocidal activity of aralkyl- and aralkenylamides related to piperamide on second-stage larvae of Toxocara canis
AN 1997:271262 CAPLUS
DN 127:12984
TI Studies on crude drugs effective on visceral larva migrans. XVIII. Synthesis and nematocidal activity of aralkyl- and aralkenylamides related to piperamide on second-stage larvae of Toxocara canis
AU Hiuchi, Fumiyuki; Nakamura, Norio; Saitoh, Makiko; Komagome, Kazue; Hiramatsu, Hirokuni; Takimoto, Noriaki; Akao, Nobuaki; Kondo, Kaoru; Tsuda, Yoshisuke
CS Faculty Pharmaceutical Sci., Kanazawa Univ., Kanazawa, 920, Japan
SO Chemical & Pharmaceutical Bulletin (1997), 45(4), 685-696
CODEN: CPBTAL; ISSN: 0009-2363
PB Pharmaceutical Society of Japan
DT Journal
LA English
AB Seventy-nine aralkyl- and aralkenylamides related to piperamides were synthesized and their nematocidal activity against second-stage larvae of dog roundworm, Toxocara canis, was examined The activity was greatly dependent on the alkyl chain length and the nature of the amine moiety, but was slightly affected by the presence or absence of double bond(s) in the chain. The alkyl chain lengths which showed the strongest activity in a series of homologs were m = 11 for the pyrrolidine amides and m = 13 for the N-methylpiperazine amides. Although piperamides (3,4-methylenedioxyphenyl homologs) showed the strongest activity among the homologs tested, methoxy substituent(s) on the aromatic ring did not have much effect on the activity. However, conversion of the methoxy group to a hydroxy group greatly decreased the activity and shortened the chain length giving the strongest activity. Calculated log P values of non-phenolic aryl-piperamides fell in the range from 3.5 to 4.5, whereas those of hydroxyphenyl-piperamides were smaller, suggesting that different mechanisms are involved in the nematocidal activity of phenolic and non-phenolic compds.
RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.55	24.61

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-1.46

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:51:51 ON 16 MAR 2005

Connecting via Winsock to STN

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* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 09:16:25 ON 16 MAR 2005

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FILE 'CAPLUS' ENTERED AT 09:16:25 ON 16 MAR 2005
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COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         3.55      24.61

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                        -0.73      -1.46

=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         4.00      25.06

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                        -0.73      -1.46

FILE 'REGISTRY' ENTERED AT 09:16:56 ON 16 MAR 2005
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STRUCTURE FILE UPDATES:   15 MAR 2005  HIGHEST RN 845699-17-4
DICTIONARY FILE UPDATES:  15 MAR 2005  HIGHEST RN 845699-17-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> e 2,4,6,8-Nonatetraenoic acid, 9-phenyl-/cn
E1            1      2,4,6,8-NONATETRAENOIC ACID, 9-NITRO-, ETHYL ESTER/CN
E2            1      2,4,6,8-NONATETRAENOIC ACID, 9-NITRO-, ETHYL ESTER, (ALL-E)-
                     /CN
E3            1 --> 2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-/CN
E4            1      2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, (2E,4E,6E,8E)-/CN
E5            1      2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, (ALL-E)-/CN
E6            1      2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, ETHYL ESTER/CN
E7            1      2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER/CN
E8            1      2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER, (2E,4E
                     ,6E,8E)-/CN
E9            1      2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER, (ALL-E
                     )-/CN
E10           1      2,4,6,8-NONATETRAENOIC ACID, METHYL ESTER, IRON COMPLEX, (E,
                     E,E)-/CN
E11           1      2,4,6,8-NONATETRAENOIC-2-14C ACID, 3,7-DIMETHYL-9-(2,6,6-TRI
                     METHYL-1-CYCLOHEXEN-1-YL)-/CN
E12           1      2,4,6,8-NONATETRAENOPHENONE, 2'-(DIMETHYLAMINO)-5,9-BIS(O-(D
                     IMETHYLAMINO)PHENYL)-/CN
```

```
=> e3
L5            1 "2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-"/CN

=> d l5

L5   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   103582-06-5  REGISTRY
CN   2,4,6,8-Nonatetraenoic acid, 9-phenyl- (9CI)  (CA INDEX NAME)
FS   3D CONCORD
MF   C15 H14 O2
SR   CA
LC   STN Files:   BEILSTEIN*, CA, CAPLUS
        (*File contains numerically searchable property data)
DT.CA  CAplus document type:  Journal
RL.NP  Roles from non-patents:  PRP (Properties); NORL (No role in record)
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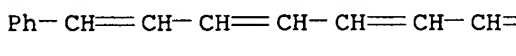

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

               2 REFERENCES IN FILE CA (1907 TO DATE)
               2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     6.87      31.93

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -1.46

FILE 'CAPLUS' ENTERED AT 09:17:23 ON 16 MAR 2005
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FILE COVERS 1907 - 16 Mar 2005  VOL 142 ISS 12
FILE LAST UPDATED: 15 Mar 2005  (20050315/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

=> l5
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L6 2 L5

=> d l6 1-2 ti fbib abs

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
TI Structural effect of π-electron excessive conjugative groups
AN 1986:478376 CAPLUS
DN 105:78376
TI Structural effect of π-electron excessive conjugative groups
AU Tai, Tsuichen; Hu, Weixiao; Chiang, Mingchien
CS Inst. Chem., Acad. Sin., Beijing, Peop. Rep. China
SO Fenzi Kexue Yu Huaxue Yanjiu (1985), 5(2), 141-51
CODEN: FKYYDG
DT Journal
LA Chinese
AB The structural effects of π-electron excessive groups R (R = NH2, NMe2, NHAc, SMe, SEt, SH, OMe, OEt, OBu, O2CMe) on electronic spectra of 18 conjugated homologous polyenic, aromatic polyenic, and polyphenyl systems (200 compds.) were determined

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
TI Reduction of unsaturated acid amides to unsaturated aldehydes; a contribution to the synthesis of polyene chains
AN 1953:18971 CAPLUS
DN 47:18971
OREF 47:3270c-i,3271a-d
TI Reduction of unsaturated acid amides to unsaturated aldehydes; a contribution to the synthesis of polyene chains
AU Wittig, Georg; Hornberger, Paul
CS Univ. Tubingen, Germany
SO Ann. (1952), 577, 11-25
DT Journal
LA Unavailable
OS CASREACT 47:18971
AB Mixed at -78° and then heated 24 hrs. at 125° in a sealed tube (or autoclave), 2.7 g. LiH and 7.1 g. BF3.Et2O in absolute Et2O gave 4 g. LiBH4.Et2O (I), extremely hygroscopic, forming a solution without decomposing Heated at 33°, I lost Et2O, giving LiBH4, m. 278-9°, exploding when heated in a free flame. Similarly formed from NaH was NaBH4, insol. in Et2O, soluble in iso-PrNH2. Heated under N at 175°, 11.5 g. B(OBu)3 (II) and 0.4 g. LiH, followed by Et2O addition, gave 10 g. Li[BH(OBu)3].0.5Et2O (III), rectangles, decomposing in air, yielding H with H2O or alc., soluble in tetrahydrofuran (IIIa), slightly soluble in Et2O and C6H6, practically insol. in dioxane. II heated with excess LiH gave I. Techniques for analyzing the various Li derivs. are outlined. Ph2Zn (2.2 g.) and 0.8 g. LiH warmed to 90°, treated with Et2O, and "dried" over paraffin gave 2.5 g. Li[ZnHPh2].Et2O, having solubilities similar to those of III. Ph2Be from Ph2Hg (cf. C.A. 45, 5556b) was freed from xylene by distillation under N, taken up in Et2O, and separated from BeHg, giving Ph2Be.2Et2O (IV), cubes, m. 28-32°, losing Et2O when heated in vacuo at 130°. IV (3.1 g.) and 0.8 g. LiH under N at 160-5°, followed by Et2O extraction, gave Li(BeHPh2).Et2O, rhombs (stored under N), decomposing in air with evolution of heat and light, giving H on treatment with H2O. PhCH:CHCOCl (V) (8.4 g.) and Ph2NH in absolute Et2O gave 13.3 g. PhCH:CHCONPh2 (VI), m. 152-3°. VI (3 g.) suspended in 15 cc. dry Et2O, heated 1 hr. with M I, and treated with aqueous HCl was not reduced, but gave 90% of a stereoisomeric or polymorphic modification (VII) of VI, leaflets, m. 191-2°, which, when inoculated at 130° with VI, gave the latter. However molten VI was not converted into VII by inoculation. VII was also obtained by heating VI with LiAlH4 (VIII) in IIIa or Et2O, unless a large excess VIII was used, whereupon VII was no longer formed, but 37% PhCH:CHCH2OH, b0.1 135-8°

(phenylurethan, m. 89-91°), was obtained (in the Et2O extract). V (18.3 g.) and 16.7 g. carbazole (IX), stirred 0.5 hr. at 200°, cooled, triturated with 100 cc. MeOH, and cooled to 0°, gave 21 g. 9-cinnamoyl derivative (X) of IX, m. 96-6.5°. With VIII, X in Et2O at 0°, followed by addition of PhNHNH2, gave a mixture of 2.55 g. PhCH:CHCH:NNHPh, m. 166-7°, and IX (subliming from the mixture at 0.1 mm. and 120°). Ph(CH:CH)2COCl in absolute Et2O and Me2NH.HCl, treated dropwise with concentrated aqueous KOH, gave 88% Ph(CH:CH)2CONMe2 (XI), m. 109-10° (from C6H6-petr. ether). XI was not reduced by I or VIII, but with VIII gave an unstable isomer of XI (cis-trans?), m. 70-2° (from cyclohexane in the dark), reconverted into XI on standing or on repeated crystallization Ph(CH:CH)2COCl (9.6 g.) heated with 8.4 g. IX in xylene gave 10.1 g. 9-Ph-(CH:CH)2CO derivative (XII) of IX, lemon-yellow leaflets, m. 124-5°. I heated with XII in Et2O, followed by addition of aqueous HCl, gave 62% Ph(CH:CH)2CHO (phenylhydrazone, m. 177-9°), also formed in 72.9% yield by heating XII with VIII. Ph(CH:CH)3CHO, m. 114-15° (18.4 g.), refluxed 3 hrs. with 13.5 g. CH2(CO2H)2 in 100 cc. pyridine and 1 cc. piperidine, poured into an excess aqueous H2SO4, and the resulting precipitate decarboxylated by heating 1 hr. with 100 cc. Ac2O gave 52% Ph(CH:CH)4CO2H, yellow leaflets, m. 213-14° (from AcOH, then xylene), whose acid chloride (hygroscopic crystals) with the K derivative of IX in xylene gave 68% of the 9-Ph(CH:CH)4CO derivative (XIII) of IX, yellow needles, m. 190.5-91.5° (after crystallization from AcOEt, followed by solution in HCONMe2 and precipitation with alc.). The K derivative of IX and HO2CCH2COCl gave the 9-carboxyacetyl derivative (XIV) of IX, m. 135-7° (loss of CO2) (from Et2O, precipitated with petr. ether). Ph(CH:CH)3CHO and XIV in cold pyridine, treated with a few drops each of piperidine and AcOH and heated 2 hrs. at 70-80°, gave CO2 and (after cooling to 0°) XIII. Reduction of 10 millimoles XIII in 30 cc. IIIa with 2.5 cc. molar VIII in Et2O gave after acidification and CHCl3 extraction, 1.42 g. IX and, in the extract, 1.7 g. Ph(CH:CH)4CHO (XV), carmine, m. 141-3° (after sublimation at 130° and 0.1 mm.); phenylhydrazone, m. 224-6° (from HCONMe2). The reduction of XIII was also carried out with other hydrides, giving the following yields (%) of XV: with I 69, III 68, Li(ZnHPh2) 45, and Li(BeHPh2), 37. XV was separated from its contaminants by the use of Girard reagent D. In all cases 74-80% IX was also isolated. XIV and Ph(CH:CH)5CHO, m. 181-3°, under the above conditions, gave the Ph(CH:CH)6CO derivative of IX, dark red needles, m. 206-7° (from HCONMe2), which was reduced with VIII to 91% IX and 60% Ph(CH:CH)6CHO, carmine, m. 210-13° (subliming at 180° and 0.01 mm.) [phenylhydrazone, m. about 250° (decomposition)]. AcONMe2 failed to react with PhCH:CHCHO in the presence of EtOK. The 9-Ac derivative of IX treated wtih PhCH:CHCHO and KOEt at 0° followed by acidification in EtOH, gave 94% IX and only about 1% (impure) XII. On the other hand, PhCH:CHCHO and 9-acetyl-4-nitrocarbazole (XVI) in absolute EtOH with KOEt gave, on acidification, 74% 4-NO2 derivative of IX, m. 208-10°, 14% XVI, and, from the alc. mother liquors, after evaporation, extraction with Et2O, extraction of the Et2O layer (XVII) with aqueous Na2CO3, and acidification, 21% Ph(CH:CH)2CO2H, m. 163-4° (from C6H6). XVII extracted with aqueous NaHSO3 yielded 62% PhCH:CHCHO. 30 references.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.25	42.18

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL

	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.46	-2.92

FILE 'REGISTRY' ENTERED AT 09:23:48 ON 16 MAR 2005
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STRUCTURE FILE UPDATES: 15 MAR 2005 HIGHEST RN 845699-17-4
DICTIONARY FILE UPDATES: 15 MAR 2005 HIGHEST RN 845699-17-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

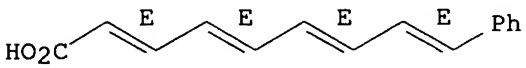
Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> e5
L7 1 "2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, (ALL-E)-"/CN

=> d l7

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN 81620-79-3 REGISTRY
CN 2,4,6,8-Nonatetraenoic acid, 9-phenyl-, (2E,4E,6E,8E)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN **2,4,6,8-Nonatetraenoic acid, 9-phenyl-, (all-E)-**
OTHER NAMES:
CN 9-phenyl-2E,4E,6E,8E-nonatetraenoic acid
CN Beesic acid
FS STEREOSEARCH
MF C15 H14 O2
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PRP (Properties)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```
=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         6.87      49.05

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                         0.00      -2.92

FILE 'CAPLUS' ENTERED AT 09:24:11 ON 16 MAR 2005
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FILE COVERS 1907 - 16 Mar 2005  VOL 142 ISS 12
FILE LAST UPDATED: 15 Mar 2005  (20050315/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

=> l7
L8            2 L7

=> d his

     (FILE 'HOME' ENTERED AT 08:30:18 ON 16 MAR 2005)

     FILE 'REGISTRY' ENTERED AT 08:30:41 ON 16 MAR 2005
                E 2-PENTENEDIOIC ACID, 4-[[(3,4-DICHLOROPHENYL)AMINO]METHYLENE]
                E 2-PENTENEDIOIC ACID, 4-(((3,4-DICHLOROPHENYL)AMINO)METHYLENE)
L1              1 E3

     FILE 'CAPLUS' ENTERED AT 08:32:44 ON 16 MAR 2005
L2              1 L1

     FILE 'REGISTRY' ENTERED AT 08:49:56 ON 16 MAR 2005
                E  2-TRIDECENOIC ACID, 13-(1,3-BENZODIOXOL-5-YL)-, (E)-/CN
L3              1 E3

     FILE 'CAPLUS' ENTERED AT 08:50:31 ON 16 MAR 2005
L4              1 L3

     FILE 'REGISTRY' ENTERED AT 09:16:56 ON 16 MAR 2005
                E 2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-/CN
L5              1 E3

     FILE 'CAPLUS' ENTERED AT 09:17:23 ON 16 MAR 2005
L6              2 L5

     FILE 'REGISTRY' ENTERED AT 09:23:48 ON 16 MAR 2005
```

L7 1 E5

FILE 'CAPLUS' ENTERED AT 09:24:11 ON 16 MAR 2005
L8 2 L7

=> l8 not l6
L9 2 L8 NOT L6

=> d l9 1-2 ti fbib abs

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
TI New triterpenic glucoside from Beesia calthaefolia (Maxim.) Ulbr. native to China
AN 2001:859289 CAPLUS
DN 136:306716
TI New triterpenic glucoside from Beesia calthaefolia (Maxim.) Ulbr. native to China
AU Ju, Jianhua; Liu, Dong; Lin, Geng; Xu, Xudong; Yang, Junshan; Tu, Guangzhong; Ma, Libin
CS Institute of Medicinal Plant Development, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, 100094, Peop. Rep. China
SO Zhiwu Xuebao (2001), 43(9), 983-987
CODEN: CHWHAY; ISSN: 0577-7496
PB Kexue Chubanshe
DT Journal
LA Chinese
AB Five compds. (1-5) were isolated from the rhizome of Beesia calthaefolia (Maxim.) Ulbr. Based on chemical and spectral evidence, their structures were determined as beesic acid (9-phenyl-2E,4E,6E,8E-nonatetraenoic acid, 1), vanillic acid (2), oleanolic acid-3-O-α- L-arabinopyranosyl-28-O-α-L-rhamnopyranosyl-(1-4)-β-D- glucopyranosyl-(1-6)-β-D-glucopyranosyl ester (3), hederasaponin B (oleanolic acid-3-O-α-L-rhamnopyranosyl-(1-2)-α-L- arabinopyranosyl-28-O-α-L-rhamnopyranosyl-(1-4)-β-D- glucopyranosyl-(1-6)-β-D-glucopyranosyl ester, 4) and beesioside Q (oleanolic acid-3-O-β-D-glucopyranosyl-(1-3)-α-L- rhamnopyranosyl-(1-2)-α-L-arabinopyranosyl-28-O-α-L- rhamnopyranosyl-(1-4)-β-D-glucopyranosyl-(1-6)-β-D- glucopyranosyl ester, 5), resp. Compound 1 was isolated from natural sources for the first time and compound 5 was a new compound

L9 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
TI Structural effect in cross conjugative systems. IV. Properties of α-carboxyphenylpolyenic cyanides and the quantum chemical calculation of orbital energy and bond order
AN 1982:180289 CAPLUS
DN 96:180289
TI Structural effect in cross conjugative systems. IV. Properties of α-carboxyphenylpolyenic cyanides and the quantum chemical calculation of orbital energy and bond order
AU Liang, Desheng; Lai, Chugen; Chiang, Mingchien
CS Inst. Chem., Acad. Sin., Shanghai, Peop. Rep. China
SO Fenzi Kexue Xuebao (1981-1982) (1981), 1(1), 17-30
CODEN: FKXUDX; ISSN: 0253-3677
DT Journal
LA Chinese
AB all-trans-Ph(CH:CH)nCH:C(CN)CO2H (I) are prepared and their UV and mass spectra are observed The MO, π-energy differences, and π-bond orders of I are calculated by CNDO/2. The properties of I are correctly calculated by using the extended form of the homologous equation for the corresponding linear conjugated system (ω-phenylpolyenic nitriles) with an

α-CO2H group substituent. Cross-conjugated systems may be generally treated by allowing 1 of the 2 branches to become the terminal group of a linear conjugated system while the other branch becomes the substituent.

```
=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         7.10      56.15

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                        -1.46      -4.38

FILE 'REGISTRY' ENTERED AT 09:26:48 ON 16 MAR 2005
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STRUCTURE FILE UPDATES:   15 MAR 2005  HIGHEST RN 845699-17-4
DICTIONARY FILE UPDATES:  15 MAR 2005  HIGHEST RN 845699-17-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> e e1
E1            1     2,4,6,8-NONATETRAENOIC ACID, 9-IODO-3,7-DIMETHYL-, ETHYL EST
                    ER, (2E,4E,6E,8Z)-/CN
E2            1     2,4,6,8-NONATETRAENOIC ACID, 9-IODO-3,7-DIMETHYL-, ETHYL EST
                    ER, (2E,4E,6Z,8E)-/CN
E3            1 --> 2,4,6,8-NONATETRAENOIC ACID, 9-NITRO-, ETHYL ESTER/CN
E4            1     2,4,6,8-NONATETRAENOIC ACID, 9-NITRO-, ETHYL ESTER, (ALL-E)-
                    /CN
E5            1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-/CN
E6            1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, (2E,4E,6E,8E)-/CN
E7            1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, (ALL-E)-/CN
E8            1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, ETHYL ESTER/CN
E9            1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER/CN
E10           1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER, (2E,4E
                    ,6E,8E)-/CN
E11           1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER, (ALL-E
                    )-/CN
E12           1     2,4,6,8-NONATETRAENOIC ACID, METHYL ESTER, IRON COMPLEX, (E,
                    E,E)-/CN

=> e e1
E1            1     2,4,6,8-NONATETRAENOIC ACID, 9-IODO-3,7-DIMETHYL-, ETHYL EST
                    ER/CN
E2            1     2,4,6,8-NONATETRAENOIC ACID, 9-IODO-3,7-DIMETHYL-, ETHYL EST
                    ER, (2E,4E,6E,8E)-/CN
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E3            1 --> 2,4,6,8-NONATETRAENOIC ACID, 9-IODO-3,7-DIMETHYL-, ETHYL EST
                    ER, (2E,4E,6E,8Z)-/CN
E4            1     2,4,6,8-NONATETRAENOIC ACID, 9-IODO-3,7-DIMETHYL-, ETHYL EST
                    ER, (2E,4E,6Z,8E)-/CN
E5            1     2,4,6,8-NONATETRAENOIC ACID, 9-NITRO-, ETHYL ESTER/CN
E6            1     2,4,6,8-NONATETRAENOIC ACID, 9-NITRO-, ETHYL ESTER, (ALL-E)-
                    /CN
E7            1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-/CN
E8            1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, (2E,4E,6E,8E)-/CN
E9            1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, (ALL-E)-/CN
E10           1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, ETHYL ESTER/CN
E11           1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER/CN
E12           1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER, (2E,4E
                    ,6E,8E)-/CN

=> e1
L10           1 "2,4,6,8-NONATETRAENOIC ACID, 9-IODO-3,7-DIMETHYL-, ETHYL ESTER"
                /CN

=> d l10

L10  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   256518-80-6  REGISTRY
CN   2,4,6,8-Nonatetraenoic acid, 9-iodo-3,7-dimethyl-, ethyl ester
     (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Ethyl 9-iodo-3,7-dimethylnona-2,4,6,8-tetraenoate
FS   3D CONCORD
MF   C13 H17 I O2
SR   CA
LC   STN Files:   CA, CAPLUS, CASREACT
DT.CA  CAplus document type:  Journal
RL.NP  Roles from non-patents:  PREP (Preparation)
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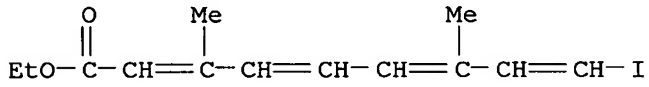


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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

              1 REFERENCES IN FILE CA (1907 TO DATE)
              1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e e12
E1            1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, ETHYL ESTER/CN
E2            1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER/CN
E3            1 --> 2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER, (2E,4E
                    ,6E,8E)-/CN
E4            1     2,4,6,8-NONATETRAENOIC ACID, 9-PHENYL-, METHYL ESTER, (ALL-E
                    )-/CN
E5            1     2,4,6,8-NONATETRAENOIC ACID, METHYL ESTER, IRON COMPLEX, (E,
                    E,E)-/CN
E6            1     2,4,6,8-NONATETRAENOIC-2-14C ACID, 3,7-DIMETHYL-9-(2,6,6-TRI
                    METHYL-1-CYCLOHEXEN-1-YL)-/CN
E7            1     2,4,6,8-NONATETRAENOPHENONE, 2'-(DIMETHYLAMINO)-5,9-BIS(O-(D
                    IMETHYLAMINO)PHENYL)-/CN
E8            1     2,4,6,8-NONATETRAENOPHENONE, 4',4'''-(3-OXETANYLIDENEBIS(MET
```

```
                    HYLENEOXY))BIS(9-PHENYL-/CN
E9              1   2,4,6,8-NONATETRAENOPHENONE, 4',9,9-TRICHLORO-/CN
E10             1   2,4,6,8-NONATETRAENOPHENONE, 4'-(2,3-EPOXYPROPOXY)-9-PHENYL-
                    /CN
E11             1   2,4,6,8-NONATETRAENOPHENONE, 4'-(2,3-EPOXYPROPOXY)-9-PHENYL-
                    , POLYMER WITH 2'-(2,3-EPOXYPROPOXY)ACETOPHENONE AND ETHYLEN
                    E OXIDE/CN
E12             1   2,4,6,8-NONATETRAENOPHENONE, 4'-(2,3-EPOXYPROPOXY)-9-PHENYL-
                    , POLYMER WITH ETHYLENE OXIDE/CN

=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       8.16      64.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -4.38

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 09:28:54 ON 16 MAR 2005

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 09:35:04 ON 16 MAR 2005
FILE 'REGISTRY' ENTERED AT 09:35:04 ON 16 MAR 2005
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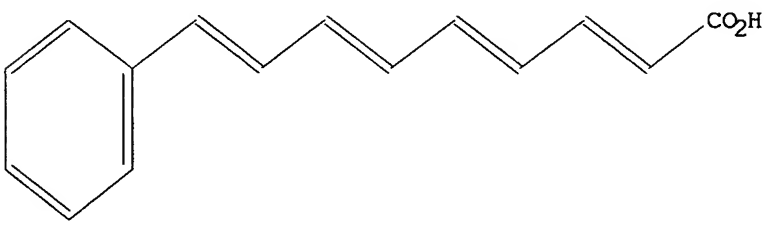
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       8.16      64.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -4.38

=>
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
files\10025947\10025947 phenylnonatetraenoic acid.str

L11     STRUCTURE UPLOADED

=> d l11
L11 HAS NO ANSWERS
L11             STR
```



Structure attributes must be viewed using STN Express query preparation.

=> search l11 sss sam
SAMPLE SEARCH INITIATED 09:35:32 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 38 TO ITERATE

100.0% PROCESSED 38 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.01

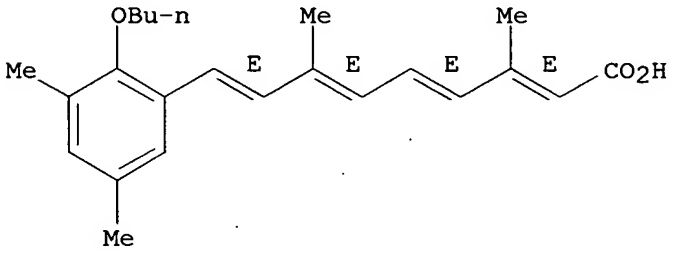
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 391 TO 1129
PROJECTED ANSWERS: 7 TO 298

L12 7 SEA SSS SAM L11

=> d scan

L12 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2-butoxy-3,5-dimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C23 H30 O3

Double bond geometry as shown.

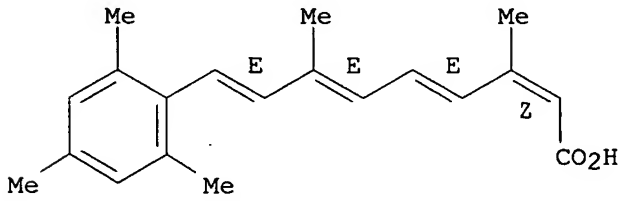


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):7

L12 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,4,6-trimethylphenyl)-, (Z,E,E,E)- (9CI)
MF C20 H24 O2

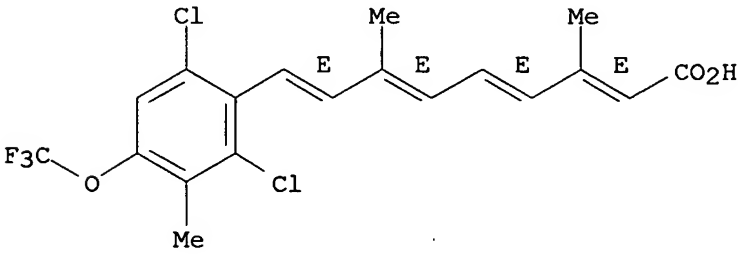
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

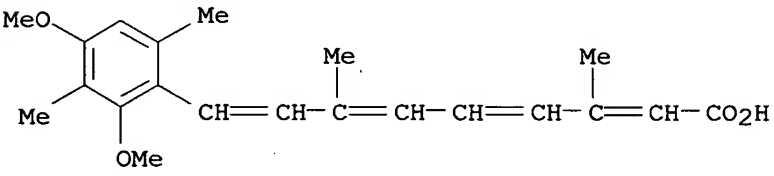
L12 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2,6-dichloro-3-methyl-4-(trifluoromethoxy)phenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C19 H17 Cl2 F3 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

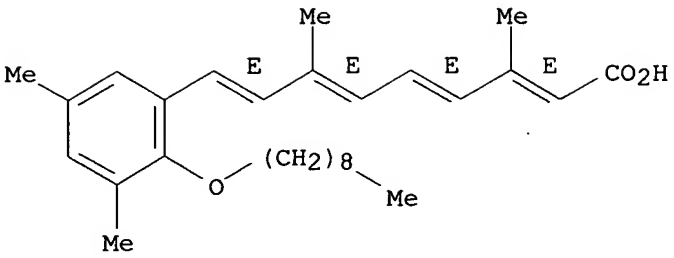
L12 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2,4-dimethoxy-3,6-dimethylphenyl)-3,7-dimethyl- (9CI)
MF C21 H26 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L12 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[3,5-dimethyl-2-(nonyloxy)phenyl]-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
MF C28 H40 O3

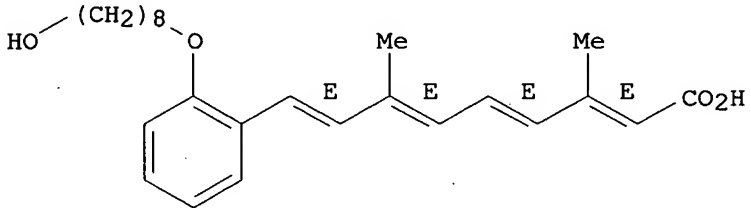
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L12 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-[(8-hydroxyoctyl)oxy]phenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C25 H34 O4

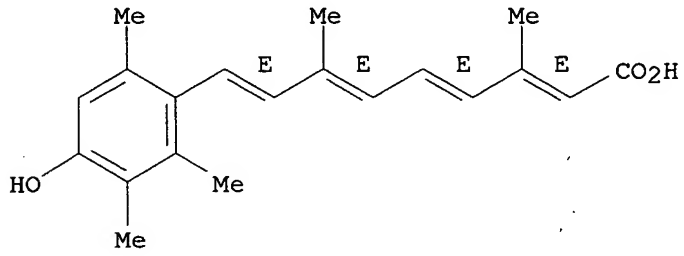
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L12 7 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-hydroxy-2,3,6-trimethylphenyl)-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
MF C20 H24 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> search l11 sss full
FULL SEARCH INITIATED 09:37:48 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 698 TO ITERATE

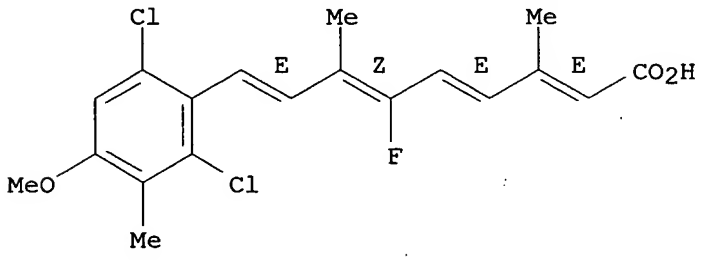
100.0% PROCESSED 698 ITERATIONS 128 ANSWERS
SEARCH TIME: 00.00.01

L13 128 SEA SSS FUL L11

=> d scan

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2,6-dichloro-4-methoxy-3-methylphenyl)-6-fluoro-3,7-dimethyl-, (Z,E,E,E)- (9CI)
MF C19 H19 Cl2 F O3

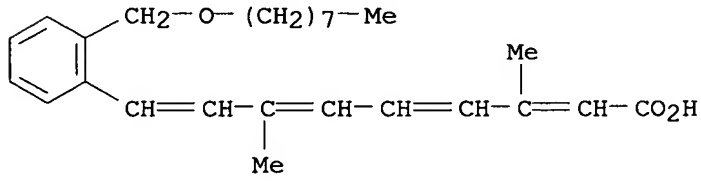
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

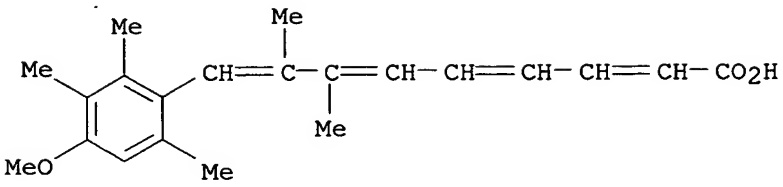
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-[(octyloxy)methyl]phenyl]- (9CI)
MF C26 H36 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-7,8-dimethyl- (9CI)

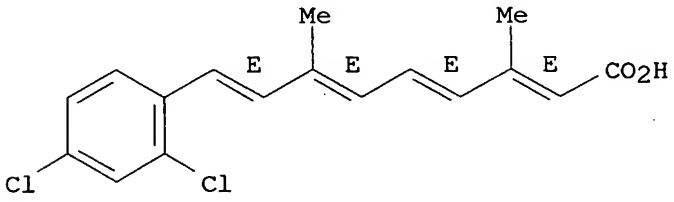
MF C21 H26 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2,4-dichlorophenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C17 H16 Cl2 O2

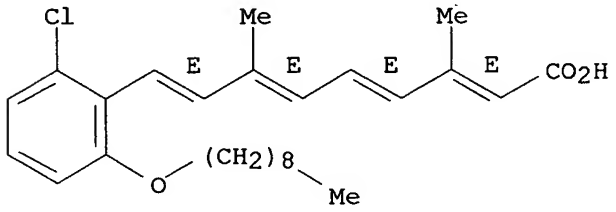
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-chloro-6-(nonyloxy)phenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C26 H35 Cl O3

Double bond geometry as shown.

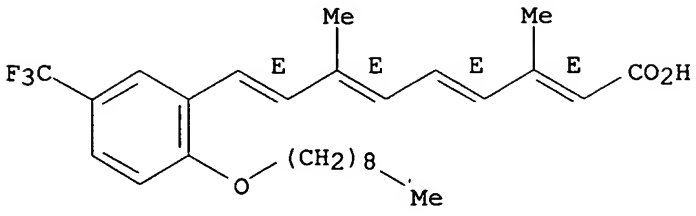


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(nonyloxy)-5-

(trifluoromethyl)phenyl]-, (all-E)- (9CI)
MF C27 H35 F3 O3

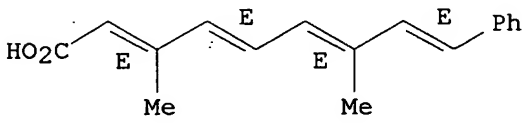
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-phenyl-, (2E,4E,6E,8E)- (9CI)
MF C17 H18 O2

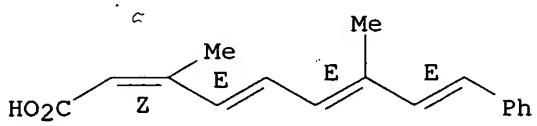
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-phenyl-, (Z,E,E,E)- (9CI)
MF C17 H18 O2

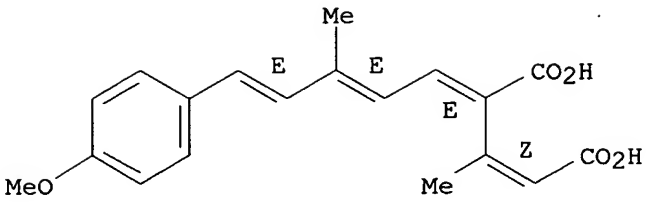
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

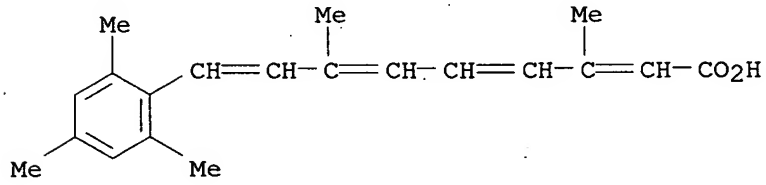
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Pentenedioic acid, 4-[5-(4-methoxyphenyl)-3-methyl-2,4-pentadienylidene]-3-methyl-, (Z,E,E,E)- (9CI)
MF C19 H20 O5

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

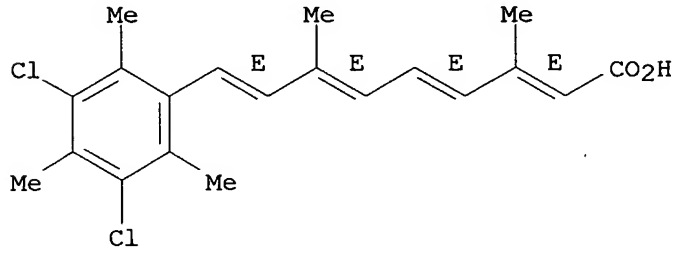
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,4,6-trimethylphenyl)- (9CI)
MF C20 H24 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

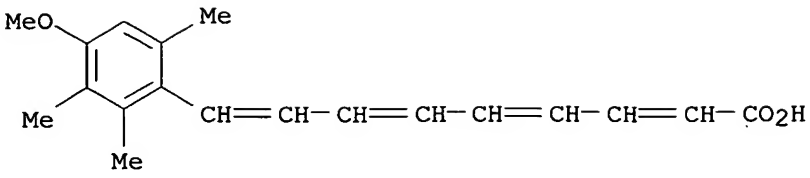
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3,5-dichloro-2,4,6-trimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C20 H22 Cl2 O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

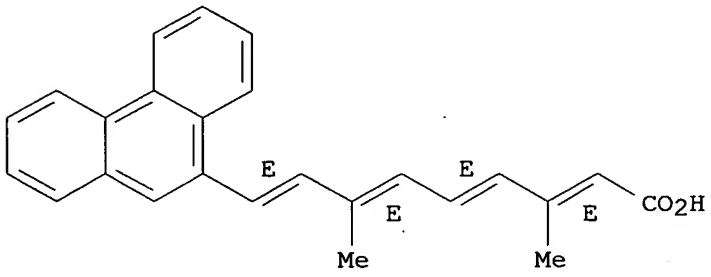
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)- (9CI)
MF C19 H22 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

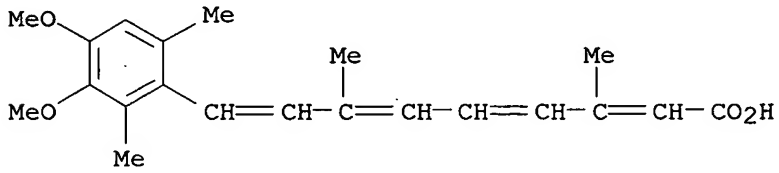
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(9-phenanthrenyl)-, (2E,4E,6E,8E)- (9CI)
MF C25 H22 O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

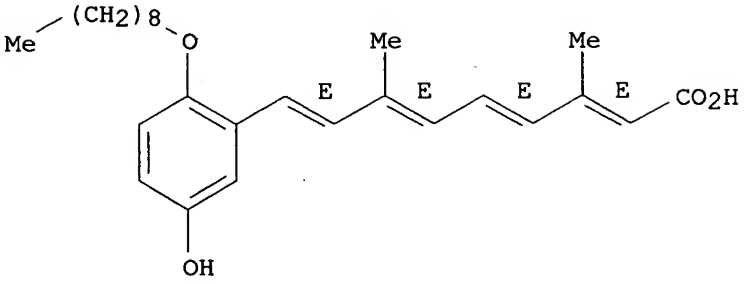
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3,4-dimethoxy-2,6-dimethylphenyl)-3,7-dimethyl- (9CI)
MF C21 H26 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[5-hydroxy-2-(nonyloxy)phenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C26 H36 O4

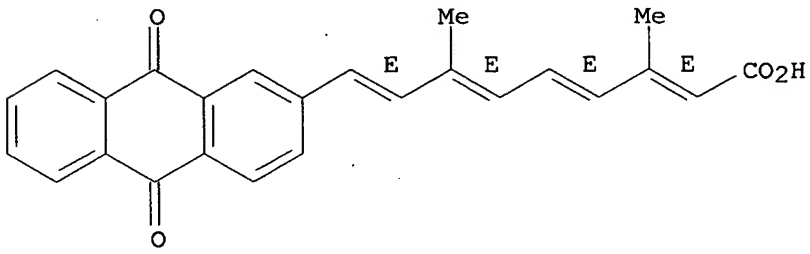
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(9,10-dihydro-9,10-dioxo-2-anthracenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C25 H20 O4

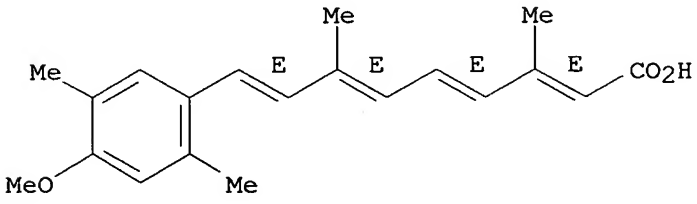
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,5-dimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C20 H24 O3

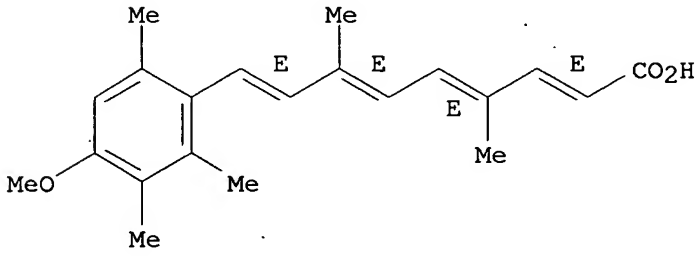
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-4,7-dimethyl-, (all-E)- (9CI)
MF C21 H26 O3

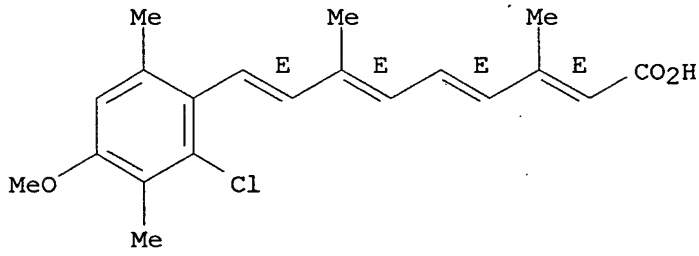
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

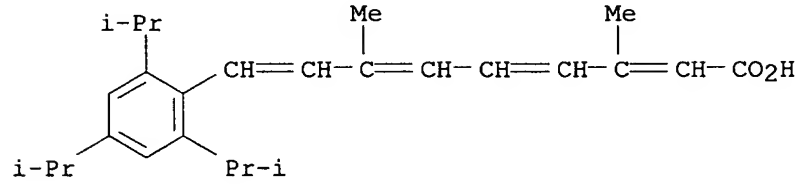
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2-chloro-4-methoxy-3,6-dimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C20 H23 Cl O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

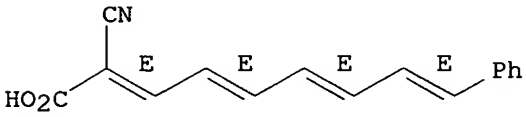
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2,4,6-tris(1-methylethyl)phenyl]- (9CI)
MF C26 H36 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 2-cyano-9-phenyl-, (all-E)- (9CI)
MF C16 H13 N O2

Double bond geometry as shown.

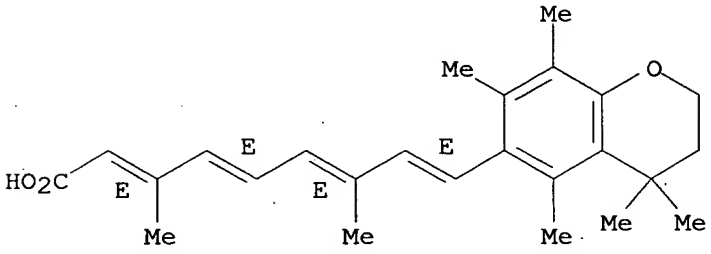


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

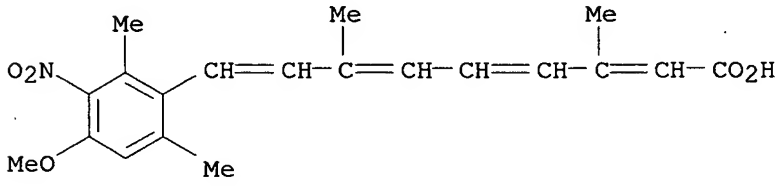
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3,4-dihydro-4,4,5,7,8-pentamethyl-2H-1-benzopyran-6-yl)-3,7-dimethyl-, (all-E)- (9CI)
MF C25 H32 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

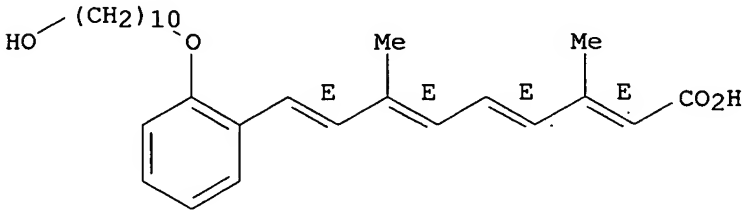
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,6-dimethyl-3-nitrophenyl)-3,7-dimethyl- (9CI)
MF C20 H23 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-[(10-hydroxydecyl)oxy]phenyl]-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
MF C27 H38 O4

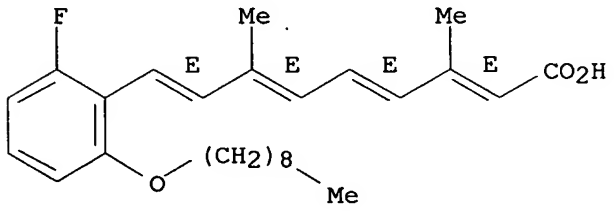
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-fluoro-6-(nonyloxy)phenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C26 H35 F O3

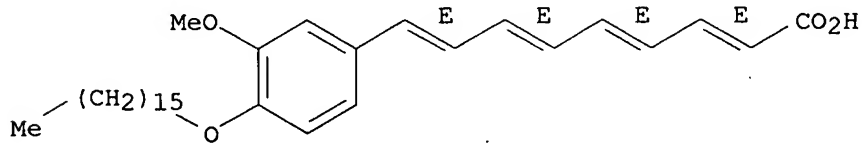
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

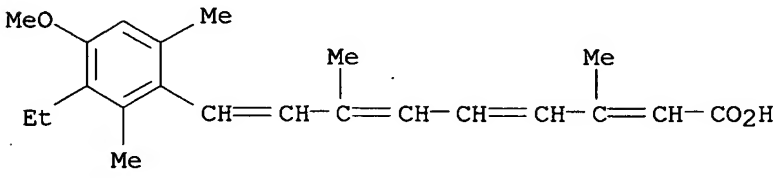
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[4-(hexadecyloxy)-3-methoxyphenyl]-, (2E,4E,6E,8E)- (9CI)
MF C32 H48 O4

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

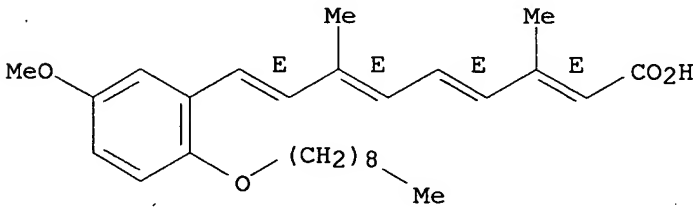
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3-ethyl-4-methoxy-2,6-dimethylphenyl)-3,7-dimethyl- (9CI)
MF C22 H28 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[5-methoxy-2-(nonyloxy)phenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C27 H38 O4

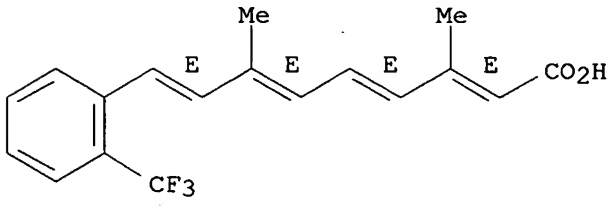
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

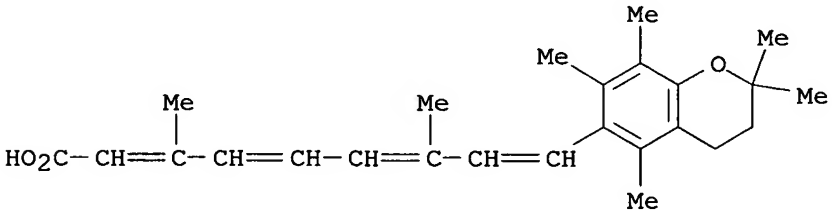
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(trifluoromethyl)phenyl]-, (all-E)- (9CI)
MF C18 H17 F3 O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

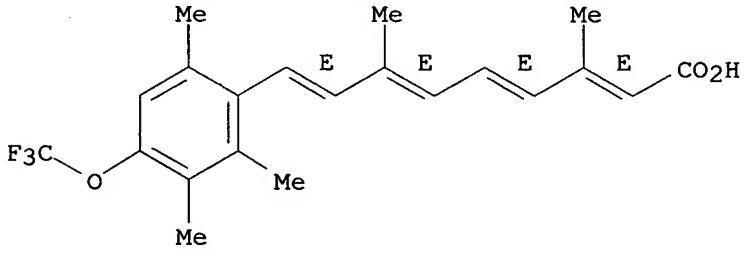
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3,4-dihydro-2,2,5,7,8-pentamethyl-2H-1-benzopyran-5-yl)-3,7-dimethyl- (9CI)
MF C25 H32 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2,3,6-trimethyl-4-(trifluoromethoxy)phenyl]-, (all-E)- (9CI)
MF C21 H23 F3 O3

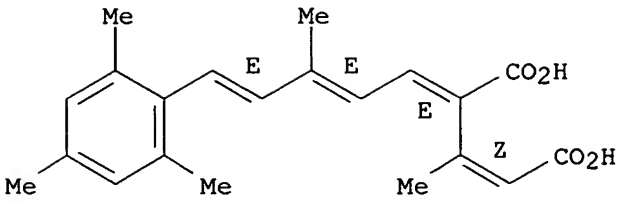
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

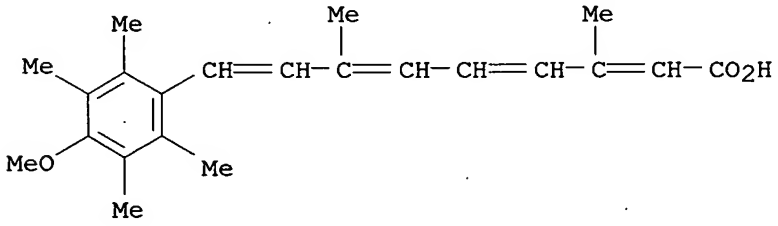
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Pentenedioic acid, 3-methyl-4-[3-methyl-5-(2,4,6-trimethylphenyl)-2,4-pentadienylidene]-, (Z,E,E,E)- (9CI)
MF C21 H24 O4

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

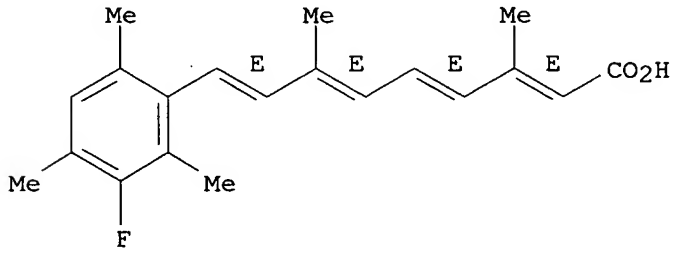
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,5,6-tetramethylphenyl)-3,7-dimethyl- (9CI)
MF C22 H28 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3-fluoro-2,4,6-trimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C20 H23 F O2

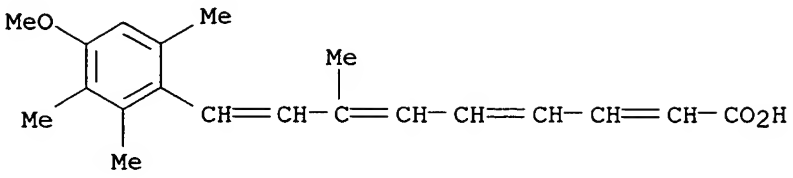
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-7-methyl-

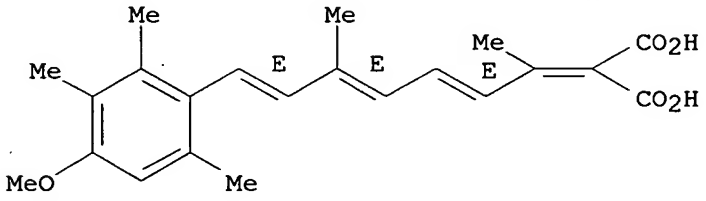
(9CI)
MF C20 H24 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Propanedioic acid, [(2E,4E,6E)-7-(4-methoxy-2,3,6-trimethylphenyl)-1,5-dimethyl-2,4,6-heptatrienylidene]- (9CI)
MF C22 H26 O5

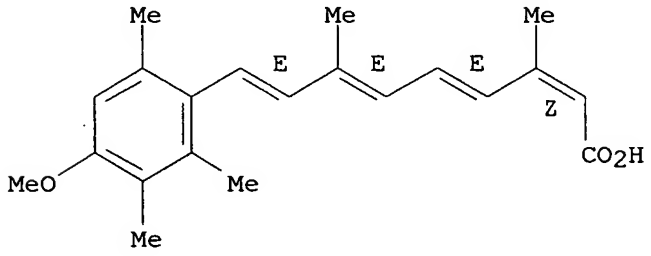
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-, (2Z,4E,6E,8E)- (9CI)
MF C21 H26 O3

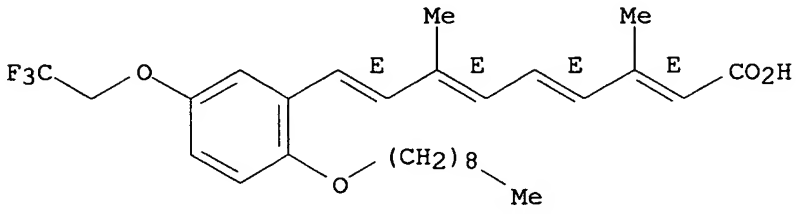
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(nonyloxy)-5-(2,2,2-trifluoroethoxy)phenyl]-, (all-E)- (9CI)
MF C28 H37 F3 O4

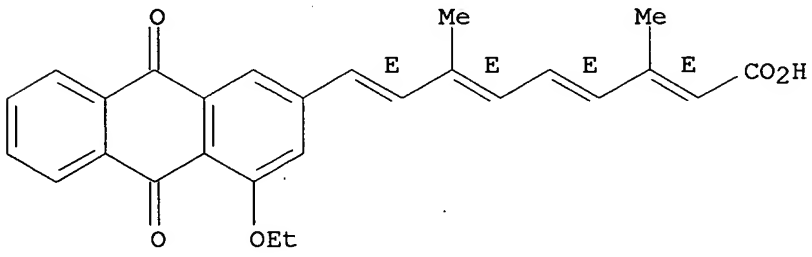
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-ethoxy-9,10-dihydro-9,10-dioxo-2-anthracenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C27 H24 O5

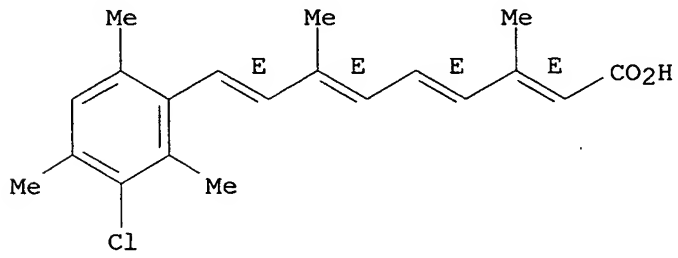
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3-chloro-2,4,6-trimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C20 H23 Cl O2

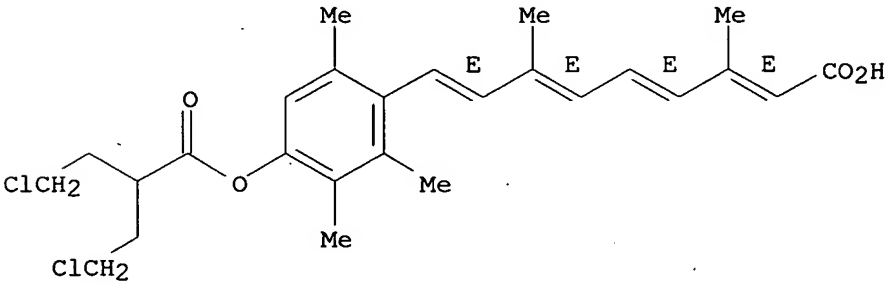
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[4-[4-chloro-2-(2-chloroethyl)-1-oxobutoxy]-2,3,6-trimethylphenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C26 H32 Cl2 O4

Double bond geometry as shown.

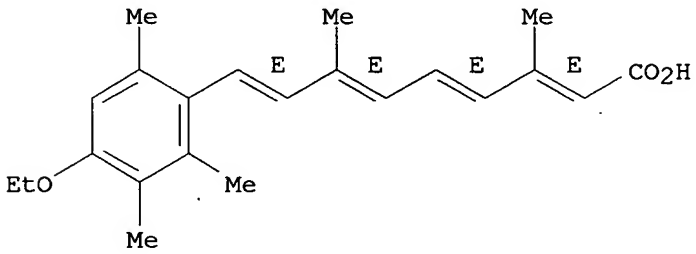


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

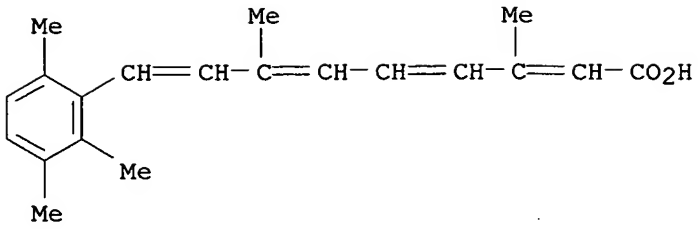
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-ethoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C22 H28 O3

Double bond geometry as shown.



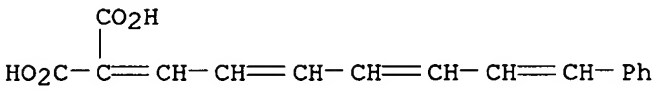
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,3,6-trimethylphenyl)- (6CI, 9CI)
MF C20 H24 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

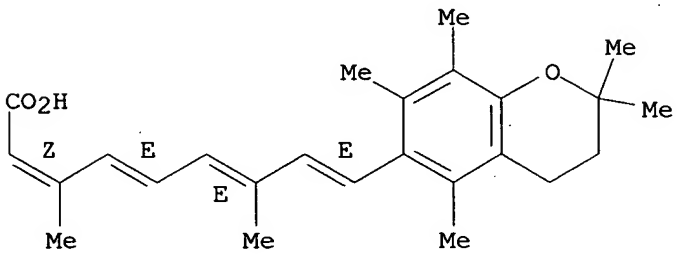
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Propanedioic acid, (7-phenyl-2,4,6-heptatrienylidene)- (9CI)
MF C16 H14 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

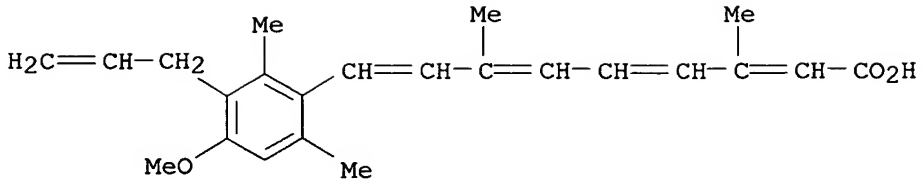
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3,4-dihydro-2,2,5,7,8-pentamethyl-2H-1-benzopyran-6-yl)-3,7-dimethyl-, (Z,E,E,E)- (9CI)
MF C25 H32 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

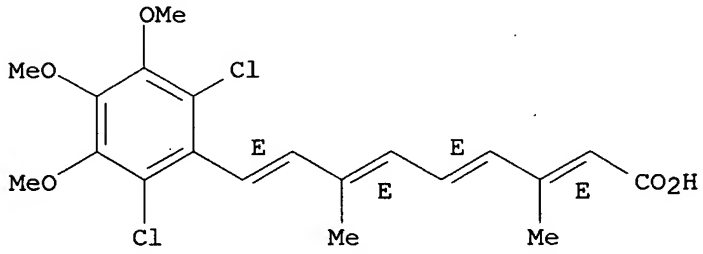
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[4-methoxy-2,6-dimethyl-3-(2-propenyl)phenyl]-3,7-dimethyl- (9CI)
MF C23 H28 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2,6-dichloro-3,4,5-trimethoxyphenyl)-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
MF C20 H22 Cl2 O5

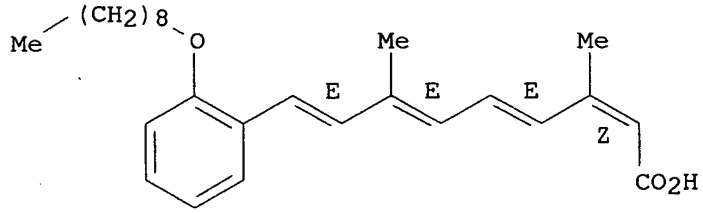
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

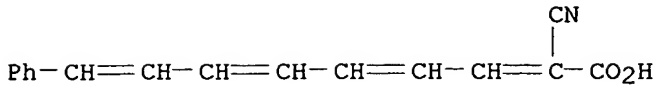
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(nonyloxy)phenyl]-, (Z,E,E,E)- (9CI)
MF C26 H36 O3

Double bond geometry as shown.



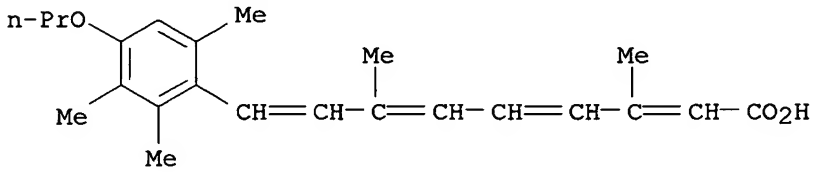
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 2-cyano-9-phenyl- (9CI)
MF C16 H13 N O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

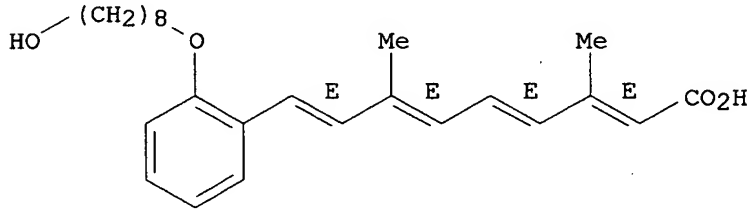
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,3,6-trimethyl-4-propoxyphenyl)- (9CI)
MF C23 H30 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-[(8-hydroxyoctyl)oxy]phenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C25 H34 O4

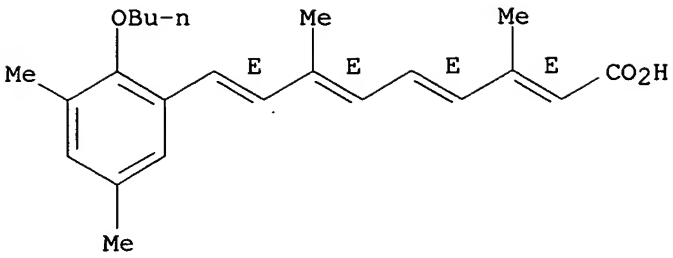
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

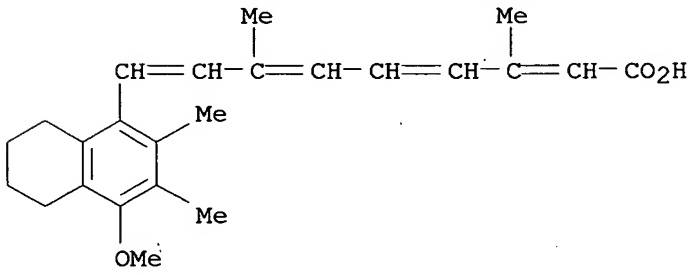
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2-butoxy-3,5-dimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C23 H30 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

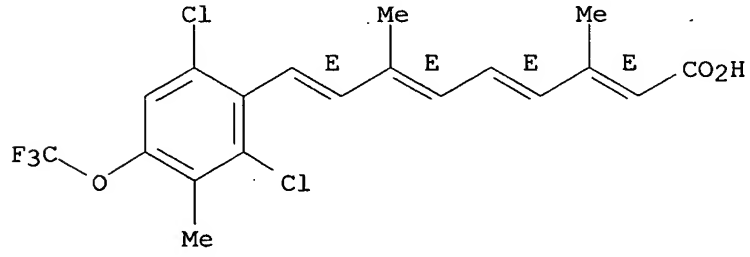
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(5,6,7,8-tetrahydro-4-methoxy-2,3-dimethyl-1-naphthalenyl)- (9CI)
MF C24 H30 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2,6-dichloro-3-methyl-4-(trifluoromethoxy)phenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C19 H17 Cl2 F3 O3

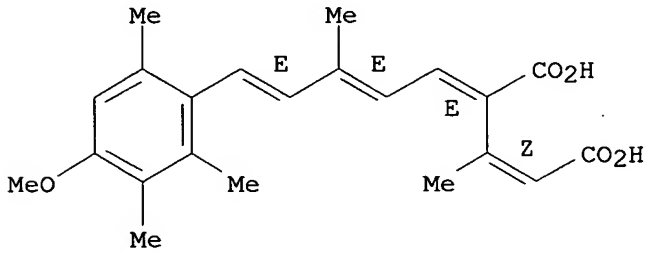
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

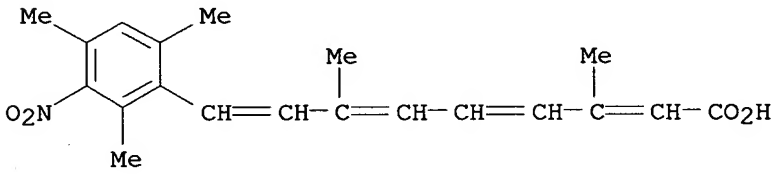
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Pentenedioic acid, 4-[5-(4-methoxy-2,3,6-trimethylphenyl)-3-methyl-2,4-pentadienylidene]-3-methyl-, (Z,E,E,E)- (9CI)
MF C22 H26 O5

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

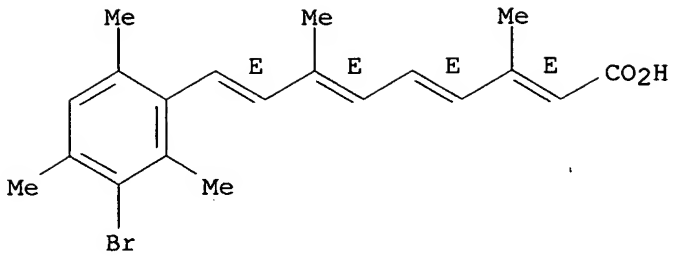
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,4,6-trimethyl-3-nitrophenyl)- (9CI)
MF C20 H23 N O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

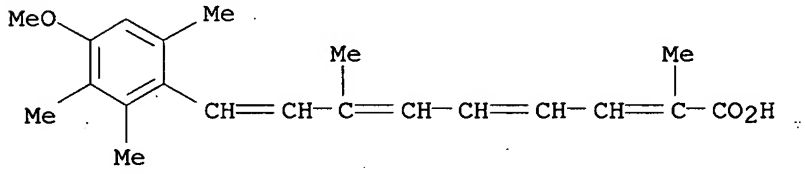
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3-bromo-2,4,6-trimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C20 H23 Br O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

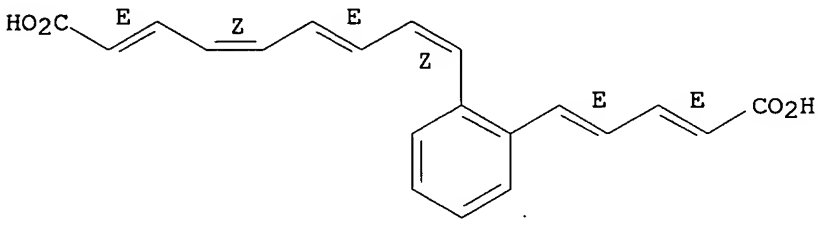
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-2,7-dimethyl- (9CI)
MF C21 H26 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-[(1E,3E)-4-carboxy-1,3-butadienyl]phenyl]-, (2E,4Z,6E,8Z)- (9CI)
MF C20 H18 O4

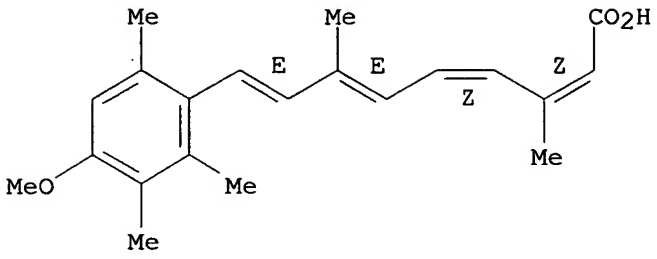
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-, (Z,E,Z,E)- (9CI)
MF C21 H26 O3

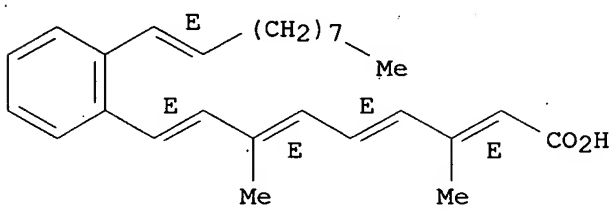
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-(1-decenyl)phenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C27 H36 O2

Double bond geometry as shown.

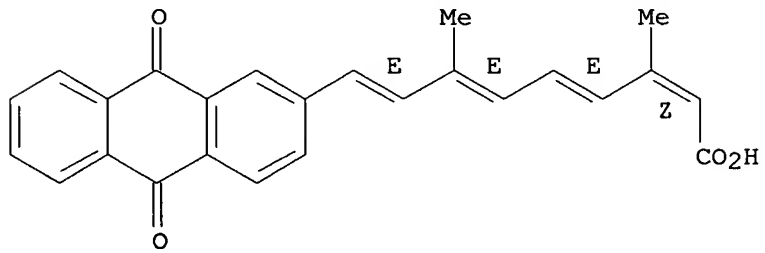


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(9,10-dihydro-9,10-dioxo-2-anthracenyl)-3,7-dimethyl-, (2Z,4E,6E,8E)- (9CI)
MF C25 H20 O4

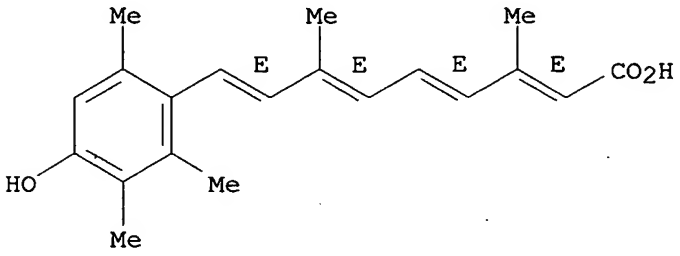
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-hydroxy-2,3,6-trimethylphenyl)-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
MF C20 H24 O3

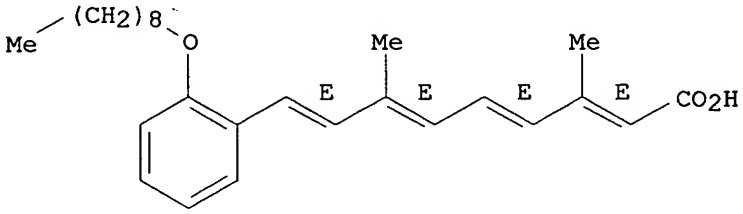
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(nonyloxy)phenyl]-, (2E,4E,6E,8E)- (9CI)
MF C26 H36 O3

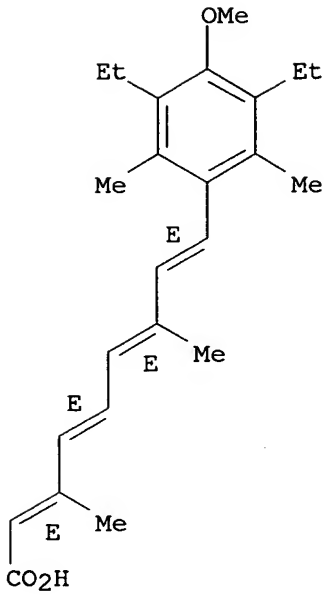
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

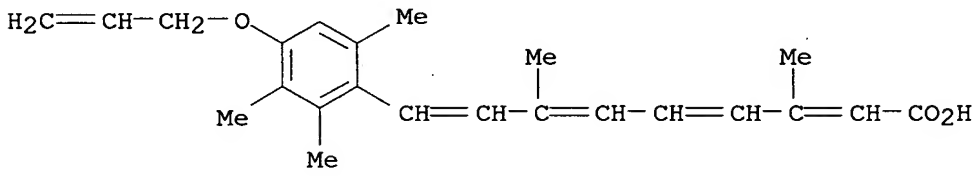
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3,5-diethyl-4-methoxy-2,6-dimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C24 H32 O3

Double bond geometry as shown.



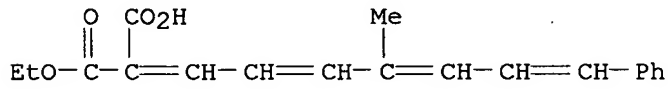
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2,3,6-trimethyl-4-(2-propenyloxy)phenyl]- (9CI)
MF C23 H28 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

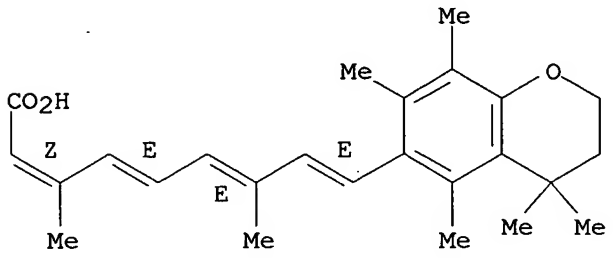
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Propanedioic acid, (4-methyl-7-phenyl-2,4,6-heptatrienylidene)-, monoethyl ester (9CI)
MF C19 H20 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

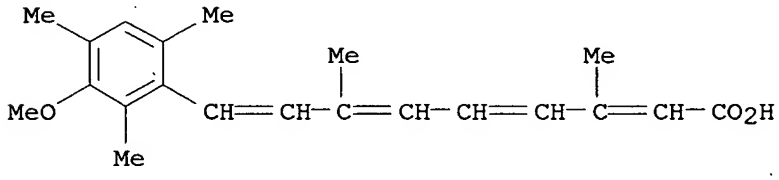
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3,4-dihydro-4,4,5,7,8-pentamethyl-2H-1-benzopyran-6-yl)-3,7-dimethyl-, (Z,E,E,E)- (9CI)
MF C25 H32 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

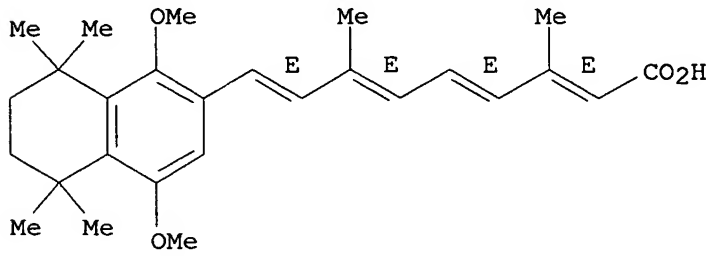
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3-methoxy-2,4,6-trimethylphenyl)-3,7-dimethyl- (9CI)
MF C21 H26 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(5,6,7,8-tetrahydro-1,4-dimethoxy-5,5,8,8-tetramethyl-2-naphthalenyl)-, (2E,4E,6E,8E)- (9CI)
MF C27 H36 O4

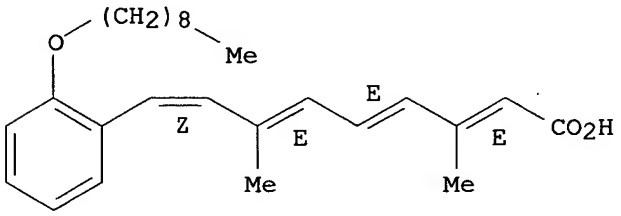
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(nonyloxy)phenyl]-, (E,Z,E,E)- (9CI)
MF C26 H36 O3

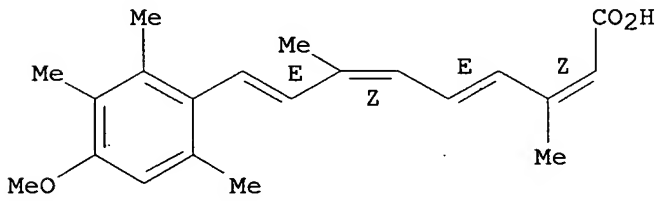
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

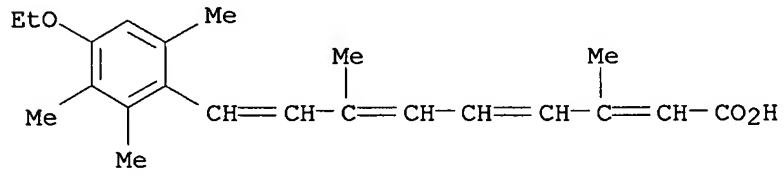
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-, (2Z,4E,6Z,8E)- (9CI)
MF C21 H26 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

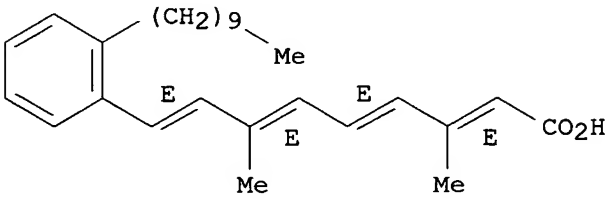
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-ethoxy-2,3,6-trimethylphenyl)-3,7-dimethyl- (9CI)
MF C22 H28 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2-decylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C27 H38 O2

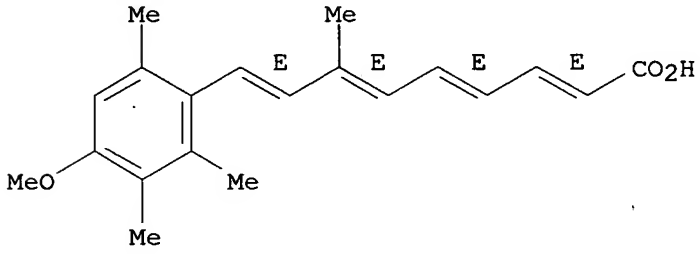
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-7-methyl-, (all-E)- (9CI)
MF C20 H24 O3

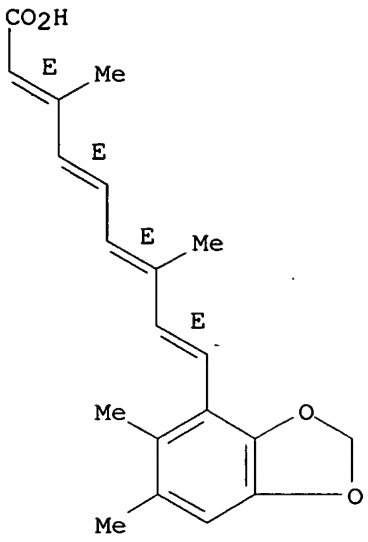
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(5,6-dimethyl-1,3-benzodioxol-4-yl)-3,7-dimethyl-, (all-E)- (9CI)
MF C20 H22 O4

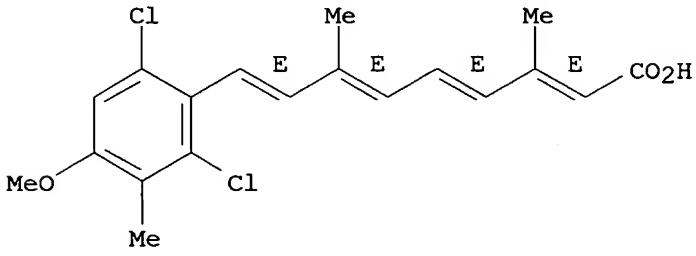
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2,6-dichloro-4-methoxy-3-methylphenyl)-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
MF C19 H20 Cl2 O3

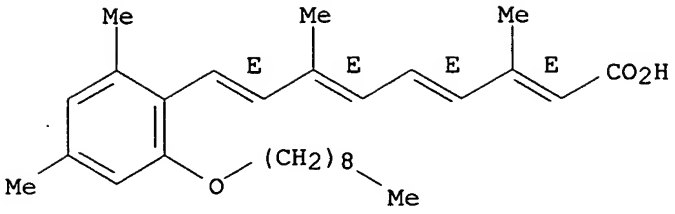
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

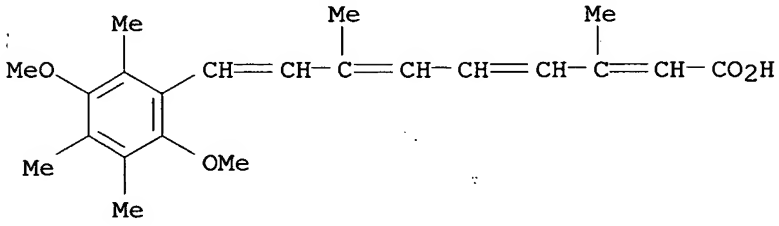
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2,4-dimethyl-6-(nonyloxy)phenyl]-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
MF C28 H40 O3

Double bond geometry as shown.



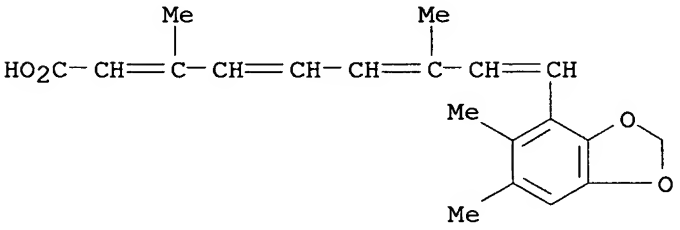
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2,5-dimethoxy-3,4,6-trimethylphenyl)-3,7-dimethyl- (9CI)
MF C22 H28 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

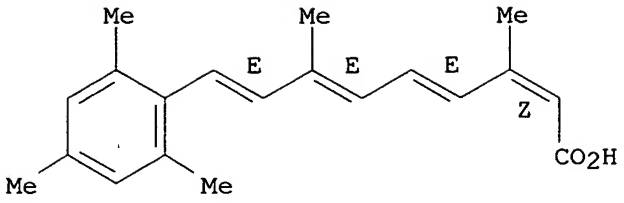
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(5,6-dimethyl-1,3-benzodioxol-4-yl)-3,7-dimethyl- (9CI)
MF C20 H22 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,4,6-trimethylphenyl)-, (Z,E,E,E)- (9CI)
MF C20 H24 O2

Double bond geometry as shown.

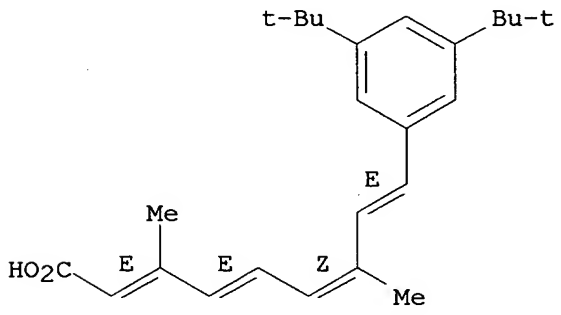


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[3,5-bis(1,1-dimethylethyl)phenyl]-3,7-dimethyl-, (2E,4E,6Z,8E)- (9CI)
MF C25 H34 O2

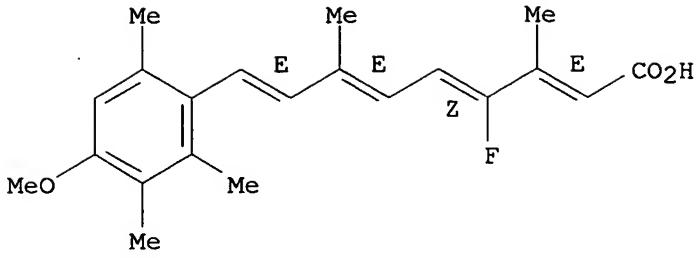
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

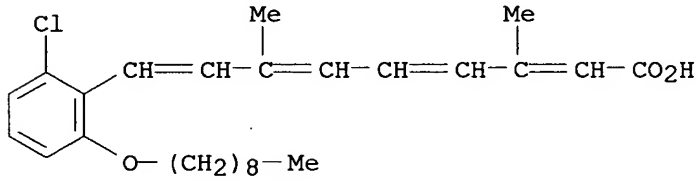
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 4-fluoro-9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-, (2E,4Z,6E,8E)- (9CI)
MF C21 H25 F O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

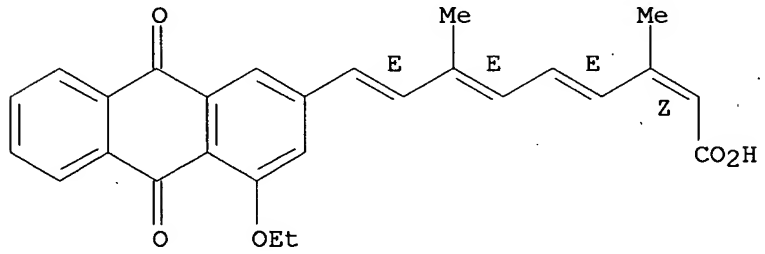
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-chloro-6-(nonyloxy)phenyl]-3,7-dimethyl- (9CI)
MF C26 H35 Cl O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-ethoxy-9,10-dihydro-9,10-dioxo-2-anthracenyl)-3,7-dimethyl-, (2Z,4E,6E,8E)- (9CI)
MF C27 H24 O5

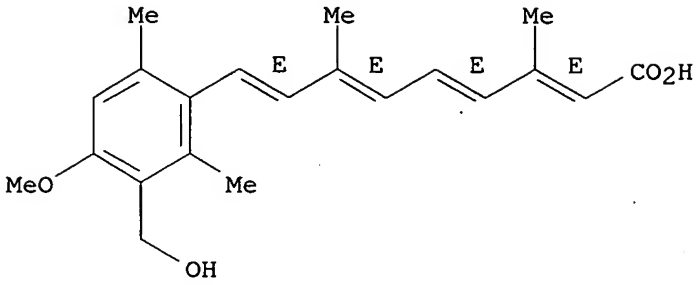
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[3-(hydroxymethyl)-4-methoxy-2,6-dimethylphenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C21 H26 O4

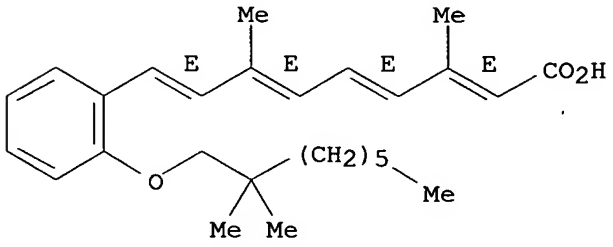
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-[(2,2-dimethyloctyl)oxy]phenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C27 H38 O3

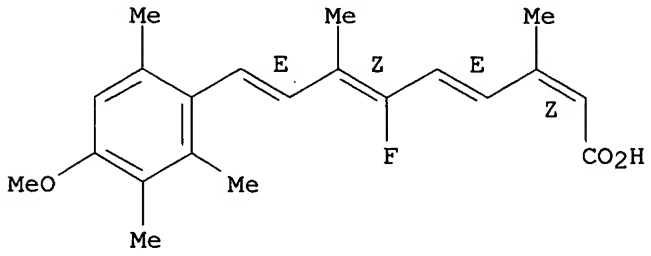
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

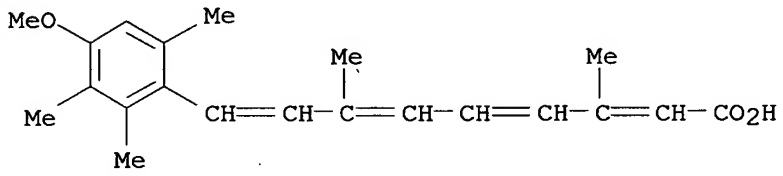
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 6-fluoro-9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-, (Z,E,Z,E)- (9CI)
MF C21 H25 F O3

Double bond geometry as shown.



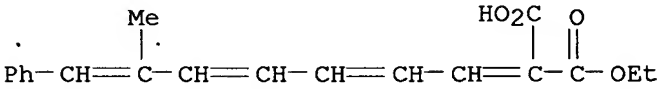
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl- (9CI)
MF C21 H26 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

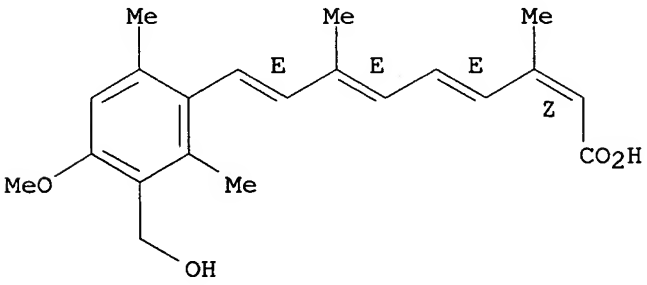
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Propanedioic acid, (6-methyl-7-phenyl-2,4,6-heptatrienylidene)-, monoethyl ester (9CI)
MF C19 H20 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

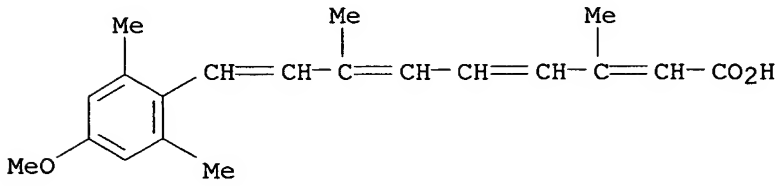
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[3-(hydroxymethyl)-4-methoxy-2,6-dimethylphenyl]-3,7-dimethyl-, (Z,E,E,E)- (9CI)
MF C21 H26 O4

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

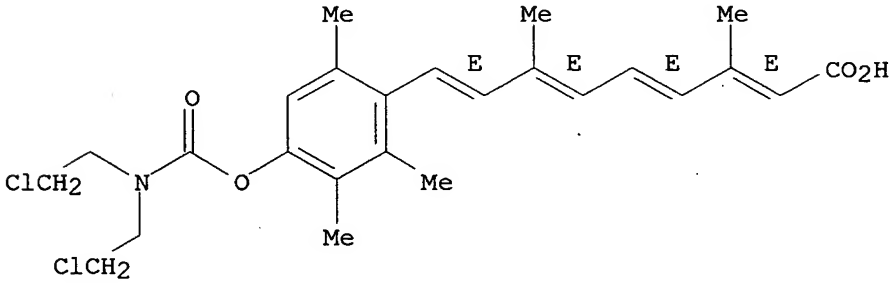
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,6-dimethylphenyl)-3,7-dimethyl- (9CI)
MF C20 H24 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[4-[[[bis(2-chloroethyl)amino]carbonyl]oxy]-2,3,6-trimethylphenyl]-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
MF C25 H31 Cl2 N O4

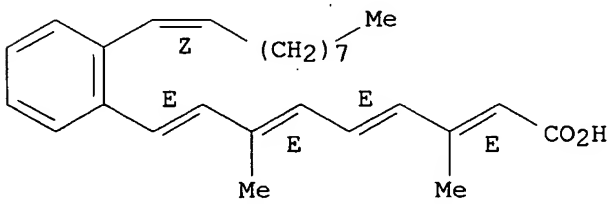
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-(1-decenyl)phenyl]-3,7-dimethyl-, (E,Z,E,E,E)- (9CI)
MF C27 H36 O2

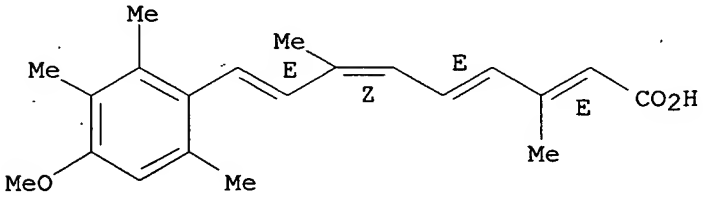
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

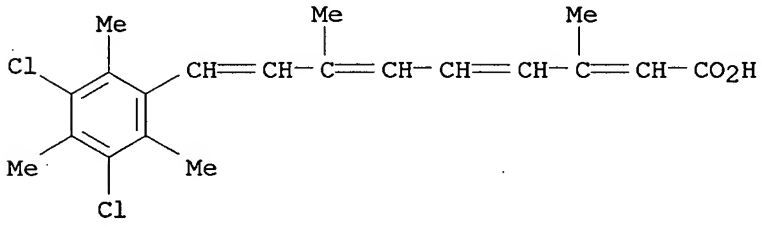
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-, (2E,4E,6Z,8E)- (9CI)
MF C21 H26 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

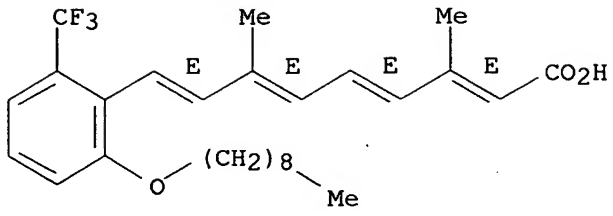
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3,5-dichloro-2,4,6-trimethylphenyl)-3,7-dimethyl- (9CI)
MF C20 H22 Cl2 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(nonyloxy)-6-(trifluoromethyl)phenyl]-, (2E,4E,6E,8E)- (9CI)
MF C27 H35 F3 O3

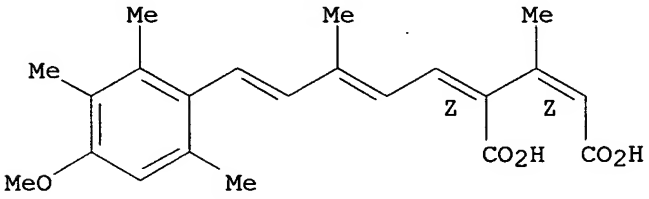
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

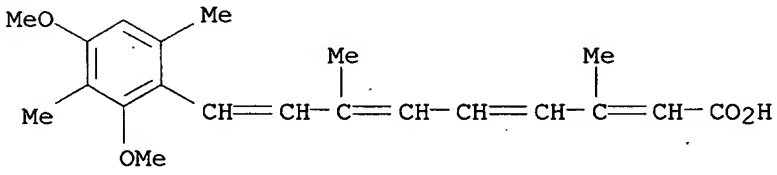
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Pentenedioic acid, 4-[5-(4-methoxy-2,3,6-trimethylphenyl)-3-methyl-2,4-pentadienylidene]-3-methyl-, (Z,Z,?,?)- (9CI)
MF C22 H26 O5

Double bond geometry as described by E or Z.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

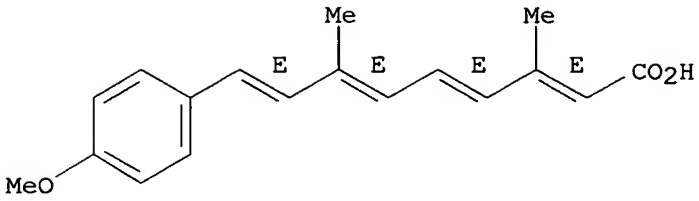
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2,4-dimethoxy-3,6-dimethylphenyl)-3,7-dimethyl- (9CI)
MF C21 H26 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

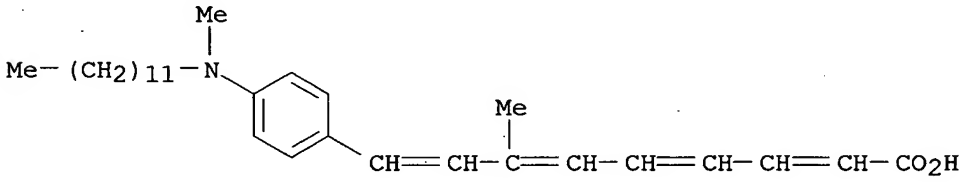
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxyphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C18 H20 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

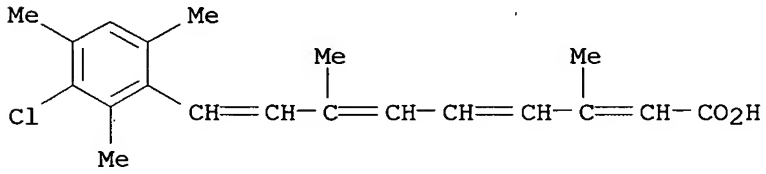
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[4-(dodecylmethylamino)phenyl]-7-methyl- (9CI)
MF C29 H43 N O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

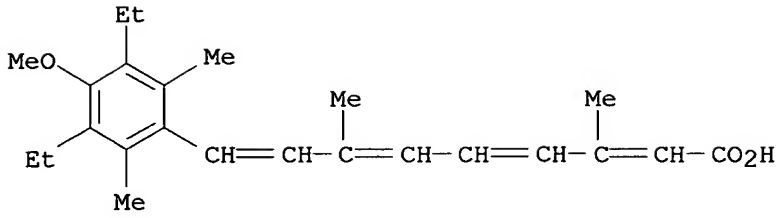
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3-chloro-2,4,6-trimethylphenyl)-3,7-dimethyl- (9CI)
MF C20 H23 Cl O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

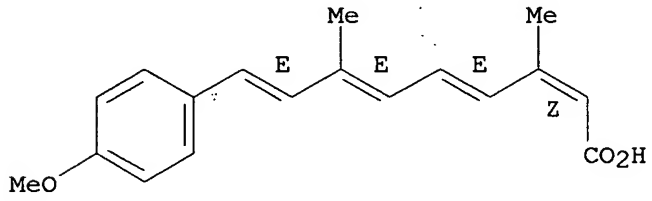
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3,5-diethyl-4-methoxy-2,6-dimethylphenyl)-3,7-dimethyl- (9CI)
MF C24 H32 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxyphenyl)-3,7-dimethyl-, (Z,E,E,E)- (9CI)
MF C18 H20 O3

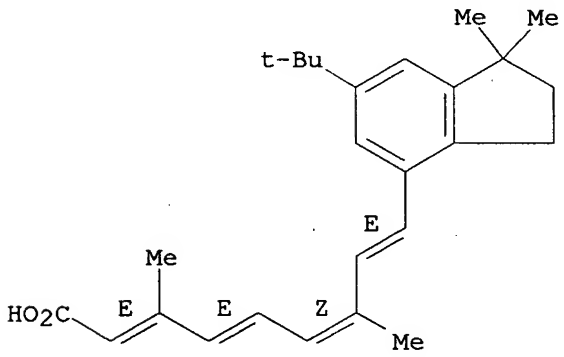
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[6-(1,1-dimethylethyl)-2,3-dihydro-1,1-dimethyl-1H-inden-4-yl]-3,7-dimethyl-, (2E,4E,6Z,8E)- (9CI)
MF C26 H34 O2

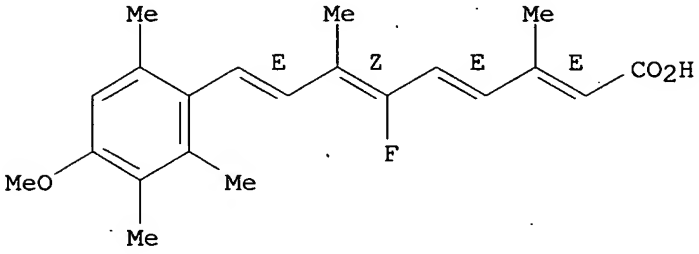
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

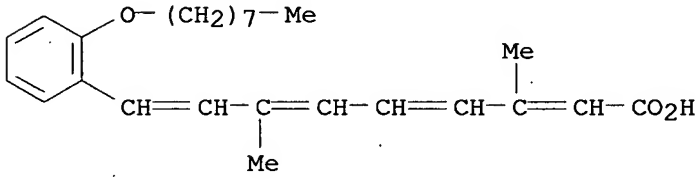
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 6-fluoro-9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-, (2E,4E,6Z,8E)- (9CI)
MF C21 H25 F O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

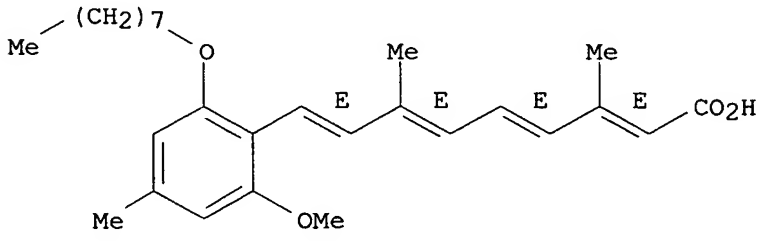
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-(octyloxy)phenyl]- (9CI)
MF C25 H34 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

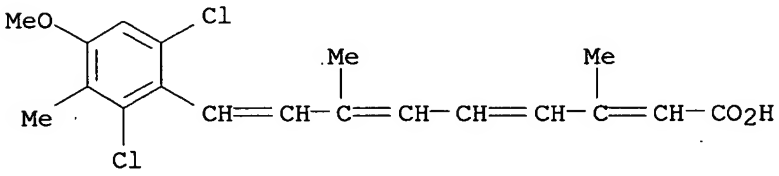
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[2-methoxy-4-methyl-6-(octyloxy)phenyl]-3,7-dimethyl-, (all-E)- (9CI)
MF C27 H38 O4

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

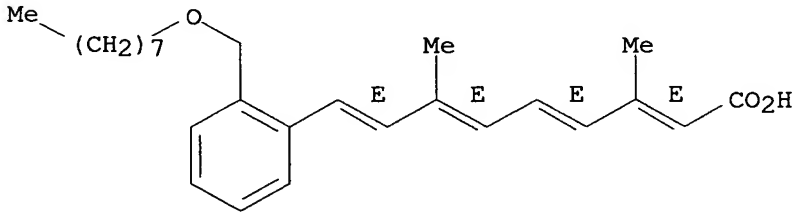
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(2,6-dichloro-4-methoxy-3-methylphenyl)-3,7-dimethyl- (9CI)
MF C19 H20 Cl2 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-[2-[(octyloxy)methyl]phenyl]-, (all-E)- (9CI)
MF C26 H36 O3

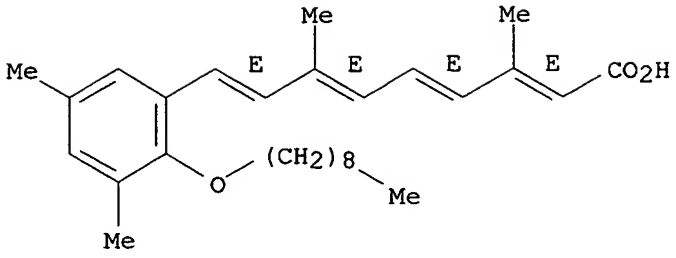
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-[3,5-dimethyl-2-(nonyloxy)phenyl]-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
MF C28 H40 O3

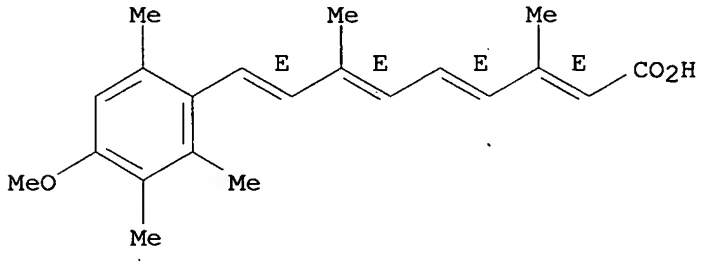
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-, (2E,4E,6E,8E)- (9CI)
MF C21 H26 O3

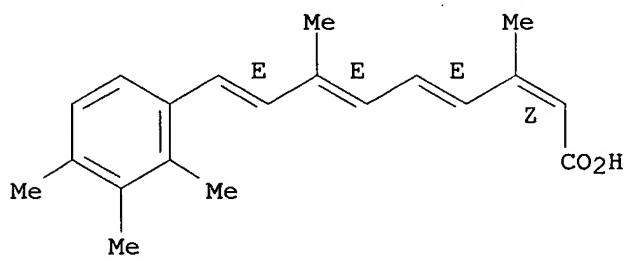
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,3,4-trimethylphenyl)-, (Z,E,E,E)- (9CI)
MF C20 H24 O2

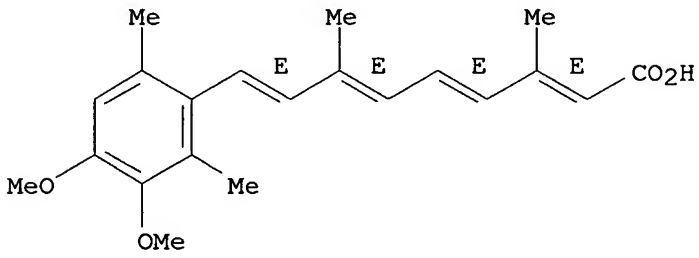
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

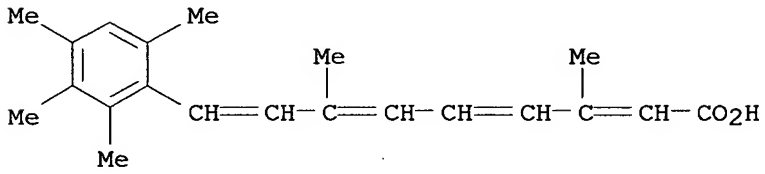
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3,4-dimethoxy-2,6-dimethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C21 H26 O4

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

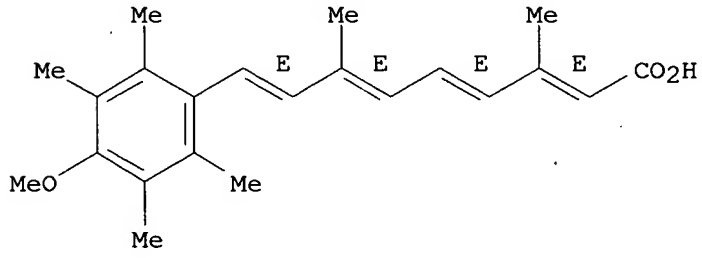
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(2,3,4,6-tetramethylphenyl)-(9CI)
MF C21 H26 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,5,6-tetramethylphenyl)-3,7-dimethyl-, (all-E)- (9CI)
MF C22 H28 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

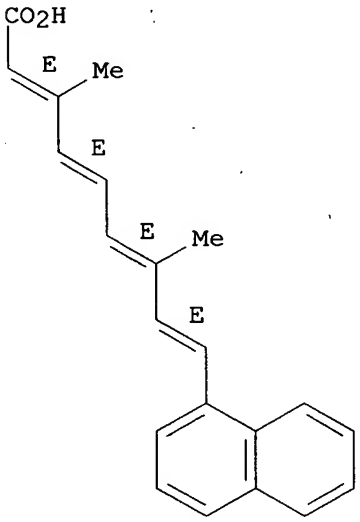
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-phenyl- (9CI)
MF C15 H14 O2

Ph–CH=CH–CH=CH–CH=CH–CH=CH–CO_2H

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

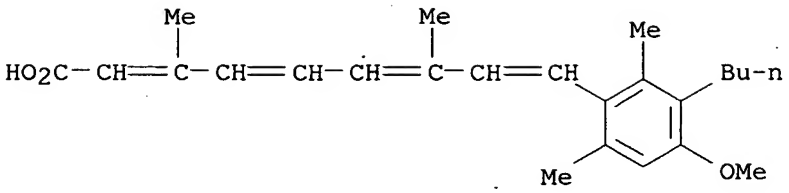
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-dimethyl-9-(1-naphthalenyl)-, (2E,4E,6E,8E)- (9CI)
MF C21 H20 O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

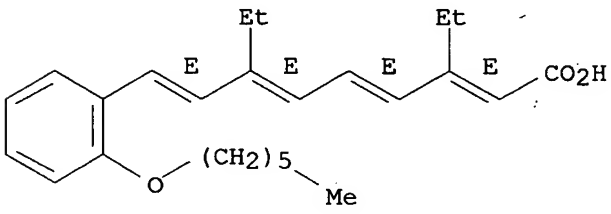
L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 9-(3-butyl-4-methoxy-2,6-dimethylphenyl)-3,7-dimethyl- (9CI)
MF C24 H32 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2,4,6,8-Nonatetraenoic acid, 3,7-diethyl-9-[2-(hexyloxy)phenyl]-, (all-E)- (9CI)
MF C25 H34 O3

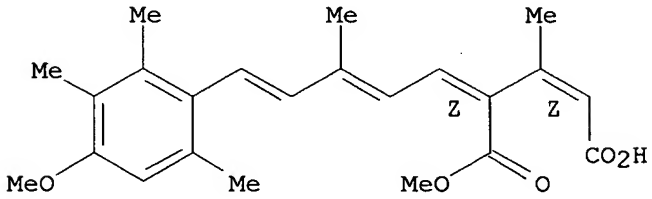
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 128 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Pentenedioic acid, 4-[5-(4-methoxy-2,3,6-trimethylphenyl)-3-methyl-2,4-pentadienylidene]-3-methyl-, 5-methyl ester, (Z,Z,?,?)- (9CI)
MF C23 H28 O5

Double bond geometry as described by E or Z.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> save temp tetraenesraw/cn
ENTER L#, L# RANGE, ALL, OR (END):l13

```
TETRAENESRAW/CN IS NOT A VALID SAVED NAME
Enter the name you wish to use for the saved query,
answer set, or L-number list.  The name must:
  1. Begin with a letter,
  2. Have 1-12 characters,
  3. Contain only letters (A-Z) and numbers (0-9),
  4. End with /Q for a query (search profile,
     structure, or screen set), /A for an answer
     set, or /L for an L-number list.
  5. Not already be in use as a saved name,
  6. Not be END, SAV, SAVE, SAVED
  7. Not have the form of an L-number (Lnnn).
ENTER NAME OR (END):en
EN IS NOT A VALID SAVED NAME
Enter the name you wish to use for the saved query,
answer set, or L-number list.  The name must:
  1. Begin with a letter,
  2. Have 1-12 characters,
  3. Contain only letters (A-Z) and numbers (0-9),
  4. End with /Q for a query (search profile,
     structure, or screen set), /A for an answer
     set, or /L for an L-number list.
  5. Not already be in use as a saved name,
  6. Not be END, SAV, SAVE, SAVED
  7. Not have the form of an L-number (Lnnn).
ENTER NAME OR (END):end

=> save temp l13 tetraenesraw/a
ANSWER SET L13 HAS BEEN SAVED AS 'TETRAENESRAW/A'

=> logoff hold
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               175.94     232.09

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                                0.00      -4.38

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 09:44:22 ON 16 MAR 2005

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Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *  Welcome to STN International  * * * * * * * * * *

 NEWS  1          Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2          "Ask CAS" for self-help around the clock
 NEWS  3  FEB 25  CA/CAPLUS - Russian Agency for Patents and Trademarks
                  (ROSPATENT) added to list of core patent offices covered
 NEWS  4  FEB 28  PATDPAFULL - New display fields provide for legal status
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                  data from INPADOC
NEWS  5  FEB 28   BABS - Current-awareness alerts (SDIs) available
NEWS  6  FEB 28   MEDLINE/LMEDLINE reloaded
NEWS  7  MAR 02   GBFULL: New full-text patent database on STN
NEWS  8  MAR 03   REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS  9  MAR 03   MEDLINE file segment of TOXCENTER reloaded
NEWS  10 MAR 22   KOREAPAT now updated monthly; patent information enhanced
NEWS  11 MAR 22   Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS  12 MAR 22   PATDPASPC - New patent database available
NEWS  13 MAR 22   REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS  14 APR 04   EPFULL enhanced with additional patent information and new
                  fields
NEWS  15 APR 04   EMBASE - Database reloaded and enhanced
NEWS  16 APR 18   New CAS Information Use Policies available online
NEWS  17 APR 25   Patent searching, including current-awareness alerts (SDIs),
                  based on application date in CA/CAplus and USPATFULL/USPAT2
                  may be affected by a change in filing date for U.S.
                  applications.
NEWS  18 APR 28   Improved searching of U.S. Patent Classifications for
                  U.S. patent records in CA/CAplus

NEWS EXPRESS  JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT
              MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
              AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

NEWS HOURS    STN Operating Hours Plus Help Desk Availability
NEWS INTER    General Internet Information
NEWS LOGIN    Welcome Banner and News Items
NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
NEWS WWW      CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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FILE 'HOME' ENTERED AT 10:37:07 ON 02 MAY 2005

=> file reg
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'REGISTRY' ENTERED AT 10:37:12 ON 02 MAY 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES:    1 MAY 2005  HIGHEST RN 849587-91-3
DICTIONARY FILE UPDATES:   1 MAY 2005  HIGHEST RN 849587-91-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.
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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

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**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                    *
**********************************************************************
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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

```
=> e 4-phenyl-2butymoic acid/cn
E1            1      4-PHENYL-2-THIOXOBUTAN-4-ONE/CN
E2            1      4-PHENYL-2-VINYL-1,3-DIOXOLANE/CN
E3            0 --> 4-PHENYL-2BUTYMOIC ACID/CN
E4            1      4-PHENYL-2H-1,3-OXAZINE-2,6(3H)-DIONE/CN
E5            1      4-PHENYL-2H-1-BENZOPYRAN/CN
E6            1      4-PHENYL-2H-1-BENZOPYRAN-2-ONE/CN
E7            1      4-PHENYL-3',4',5',6'-TETRAHYDRO-2'H-(2,4')BIPYRANYL-6-ONE/CN
E8            1      4-PHENYL-3'-HYDROXYQUINOPHTHALONE/CN
E9            1      4-PHENYL-3(2H)-PYRIDAZINONE/CN
E10           1      4-PHENYL-3,2-BUTEN-1-YL CHRYSANTHEMATE/CN
E11           1      4-PHENYL-3,3-DIMETHYL-2-AZETIDINONE/CN
E12           1      4-PHENYL-3,4-DIHYDRO-B-CARBOLINE/CN

=> e 4-phenyl-2-butynoic acid/cn
E1            1      4-PHENYL-2-BUTYN-1-OL/CN
E2            1      4-PHENYL-2-BUTYN-1-YL CHRYSANTHEMATE/CN
E3            1 --> 4-PHENYL-2-BUTYNOIC ACID/CN
E4            1      4-PHENYL-2-CHLOROPHENOL/CN
E5            1      4-PHENYL-2-CYANOCYCLOBUTANONE/CN
E6            1      4-PHENYL-2-CYANOPYRIDINE/CN
E7            1      4-PHENYL-2-CYCLOHEXEN-1-ONE/CN
E8            1      4-PHENYL-2-CYCLOPENTEN-1-ONE/CN
E9            1      4-PHENYL-2-CYCLOPENTENONE/CN
E10           1      4-PHENYL-2-ETHOXY-N-(2-(3-METHOXY-4-((2-PROPYNYL)OXY)PHENYL)
                     ETHYL)PENTANAMIDE/CN
E11           1      4-PHENYL-2-ETHOXYOXETANE/CN
E12           1      4-PHENYL-2-FLAVENE/CN

=> e3
L1            1 "4-PHENYL-2-BUTYNOIC ACID"/CN

=> logoff hold
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 5.89       6.10

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:38:57 ON 02 MAY 2005

Connecting via Winsock to STN
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